

20011205.qrp v02_n395.qrl.20011205

Date: Wed, 5 Dec 2001 19:03:13 EST
From: qrp-l@Lehigh.EDU
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: QRP-L digest 2395

QRP-L Digest 2395

Topics covered in this issue include:

- 1) [113873] 160m Sprint preps
by John Harper AE5X <ae5x@qsl.net>
- 2) [113874] 160m SCRAMBLE
by "ss lyon" <sslyon@megalink.net>
- 3) [113875] 160 M contest
by "T.W." <wb5qyt@abq.com>
- 4) [113876] Re: RS Simplex Repeater
by Ray Sills <raysills@1stconnect.com>
- 5) [113877] Re: [elmer101] 50K/100K pots ?
by "tmyers" <tmyers@AcademicPlanet.com>
- 6) [113878] FS Kenwood YK-88C-1, 500Hz CW Filter
by "Rod N0RC" <rod@n0rc.com>
- 7) [113879] All set up in WI...
by "Trevor Jacobs" <fxtech@earthlink.net>
- 8) [113880] Re: 160 M - QYT...
by "ss lyon" <sslyon@megalink.net>
- 9) [113881] 160 warm-up
by Al Scanandoah <k2zn@rochester.rr.com>
- 10) [113882] Mini Circuits LRMS-1H?
by Ed Kessler <edkess@pa.net>
- 11) [113883] Re: 160 warm-up
by "ss lyon" <sslyon@megalink.net>
- 12) [113884] Re: Magnetic loop
by Alex <kr1st@amsat.org>
- 13) [113885] Strange QRM
by Vance Huntsinger <vhuntsinger@iwic.net>
- 14) [113886] Fox -- Tony in the Bag
by Todd Enders <enders@bolshoi.cc.misu.nodak.edu>
- 15) [113887] FOX-Got him!
by "TC Dufresne" <tdufresne@neb.rr.com>
- 16) [113888] Marker Generator
by "Tom Pennebaker" <n4rs@netpath-rc.net>
- 17) [113889] Da Fox is Coming, Da Fox is Coming
by "Bob Tellefsen" <n6wg@earthlink.net>
- 18) [113890] Top Band Here I Come
by "Bob Tellefsen" <n6wg@earthlink.net>
- 19) [113891] [OT] Sorry for the test

- by DK3RED@t-online.de (Ingo, DK3RED)
- 20) [113892] New Red Hot 20 joins the airwaves
by "Nick Yokanovich" <k3ny@cablespeed.com>
- 21) [113893] NF0R on 160m heard in Maine...
by "ss lyon" <sslyon@megalink.net>
- 22) [113894] 80 Meter Fun
by "David Bixler" <qrp@netins.net>
- 23) [113895] Furthest DX yet on 3.686
by NB6M@aol.com
- 24) [113896] Re: Mini Circuits LRMS-1H?
by "Jim FitzSimons" <cherry@getnet.net>
- 25) [113897] TINY-TORNADO Transceiver Kit Update
by "Brice D. Hornback" <bdh@cyberbound.net>
- 26) [113898] Cub fox run of 12/04
by "Tony Parks" <robert.parks11@gte.net>
- 27) [113899] Re: Magnetic loop
by Steve Yates - AA5TB <aa5tb@arrl.net>
- 28) [113900] RE: TEST EQUIPMENT
by "AI2Q Alex" <ai2q@adelphia.net>
- 29) [113901] Re: Mini Circuits LRMS-1H?
by DK3RED@t-online.de (Ingo, DK3RED)
- 30) [113902] Re: ARRL How much?
by Bruce Muscolino <w6toy@erols.com>
- 31) [113903] Tiny Tornado Built
by "Chuck Carpenter" <w5usj@globeco.net>
- 32) [113904] [Elmer 101] Tuning pot values
by Mike Maiorana <mikemo@attglobal.net>
- 33) [113905] Re: ARRL How much?
by Bruce Muscolino <w6toy@erols.com>
- 34) [113906] Re: CB Slider for TT2 ???? 000PS, Wrong CB Slider Schematic
by Bruce Muscolino <w6toy@erols.com>
- 35) [113907] Construction Articles Dwindling
by "Bill Jones" <kd7s@psnw.com>
- 36) [113908] 13.5 mhz crystals
by Mike Maiorana <mikemo@attglobal.net>
- 37) [113909] cheep vertical
by David Hinerman <WD8CIV@worldnet.att.net>
- 38) [113910] Re: 13.5 mhz crystals
by "Brice D. Hornback" <bdh@cyberbound.net>
- 39) [113911] Re: Construction Articles Dwindling
by Bruce Muscolino <w6toy@erols.com>
- 40) [113912] Re: ARRL How much?
by W2AGN <w2agn@pobox.com>
- 41) [113913] Thursday Fox #2 - W8KC!
by "Paul R. Valko" <prvalko@oakland.edu>
- 42) [113914] Re: NF0R on 160m heard in Maine...
by David Gauding <david.gauding@bbs.galilei.com>
- 43) [113915] Siltronix VFO parts values

by K5BDZ@aol.com

44) [113916] Fox Sandwich (reminder)
by "Rod N0RC" <rod@n0rc.com>

45) [113917] Poly Variables ??
by "Chuck Carpenter" <w5usj@globeco.net>

46) [113918] Re: KITS: Noise Bridge announcement
by "George, W5YR" <w5yr@att.net>

47) [113919] Re: cheep vertical
by "DTX" <dtx@wood.tzo.com>

48) [113920] Re: cheep vertical
by "George Allgood" <w4gfa@jungleweb.net>

49) [113921] 160M Sprint
by W2AGN <w2agn@pobox.com>

50) [113922] Re: cheep vertical
by "Mike Yetzsko" <myetzsko@insydesw.com>

51) [113923] Re: FOX-Got him!
by Steve Sellmeyer <ss94239@alltel.net>

52) [113924] Re: KITS: Noise Bridge announcement (Question)
by "Brad Hernlem" <alihernlem@hotmail.com>

53) [113925] Re: cheep vertical
by "Lee Mairs" <lmairs@cox.rr.com>

54) [113926] Re: Construction Articles Dwindling
by "Brian" <brian@iquiest.net>

55) [113927] Re: KITS: Noise Bridge announcement
by "Dave Benson" <nn1g@earthlink.net>

56) [113928] Re: Construction Articles Dwindling
by "Dave Benson" <nn1g@earthlink.net>

57) [113929] Re: Construction Articles Dwindling
by "Karl F. Larsen" <k5di@zianet.com>

58) [113930] Re: Construction Articles Dwindling
by "Lee Mairs" <lmairs@cox.rr.com>

59) [113931] Re: cheep vertical
by David Hinerman <WD8CIV@worldnet.att.net>

60) [113932] QRP Quarterly Journal
by George Gingell <k3tks@u1.abs.net>

61) [113933] [Elmer 101] Regulated Pwr Supply Caps
by Somerville <somerville@uniserve.com>

62) [113934] Re: QRP Quarterly Journal
by "Brian" <brian@iquiest.net>

63) [113935] RE: [OT] Direct effects from Off Topic subjects ad nauseum
by "Juanjo Pastor" <ec5aca@wanadoo.es>

64) [113936] Re: Construction Articles Dwindling
by Alex <kr1st@amsat.org>

65) [113937] Re: Construction Articles Dwindling
by David Hinerman <WD8CIV@worldnet.att.net>

66) [113938] Construction Articles Not Necessarily Dwindling
by "Alan Kaul" <alan.kaul@worldnet.att.net>

67) [113939] 10 meter j-pole

by "Tim A. King Jr." <iflyos@hotmail.com>
68) [113940] RE: Construction Articles Not Necessarily Dwindling (a suggestion)
by "Tom Tishken KD4W0V" <kd4wov@earthlink.net>
69) [113941] Re: KITS: Noise Bridge announcement
by "Upton, Shawn" <SUpton@ALLEGROMICRO.com>
70) [113942] Re: cheep vertical
by "Francis Callahan" <colcal@srv.net>
71) [113943] Re: Poly Variables [FOUND]
by "Chuck Carpenter" <w5usj@globeco.net>
72) [113944] Re: KITS: Noise Bridge announcement (Question)
by "Brad Hernlem" <alihernlem@hotmail.com>
73) [113945] Re: Construction Articles Dwindling
by "Bill Kelsey - N8ET - Kanga US" <kanga@bright.net>
74) [113946] Re: cheep vertical
by Bruce Muscolino <w6toy@erols.com>
75) [113947] Re: Construction Articles Dwindling
by Steven Weber <kd1jv@moose.ncia.net>
76) [113948] Re: cheep vertical
by Steven Weber <kd1jv@moose.ncia.net>
77) [113949] Re: Construction Articles Dwindling
by Bruce Muscolino <w6toy@erols.com>
78) [113950] Re: cheep vertical
by David Hinerman <WD8CIV@worldnet.att.net>
79) [113951] Re: Construction Articles Not Necessarily Dwindling
by Bruce Muscolino <w6toy@erols.com>
80) [113952] Re: Construction Articles Dwindling
by Bruce Muscolino <w6toy@erols.com>
81) [113953] RE: cheep vertical
by "Kory Hamzeh" <kory@avatar.com>
82) [113954] Re: cheep vertical
by Pete Burbank <plburbank@kih.net>
83) [113955] Six meters, MFSK & the politics of experience redubbed
by "Nils R. Young" <nilsbull@juno.com>
84) [113956] Re: Construction Articles ...
by "Dave Benson" <nn1g@earthlink.net>
85) [113957] Re: Construction Articles ...
by David Hinerman <WD8CIV@worldnet.att.net>
86) [113958] Re: cheep vertical
by Drbob92031@aol.com
87) [113959] Re: [Elmer 101] Regulated Pwr Supply Caps
by Steven Weber <kd1jv@moose.ncia.net>
88) [113960] Write Something! Re: Construction Articles ...
by Stephan Greene <sgreene@patriot.net>
89) [113961] Re: Construction Articles Not Necessarily Dwindling
by alan.kaul@att.net
90) [113962] cheap vertical
by Chris Cartwright <ccart@phideaux.com>
91) [113963] Re: [Elmer 101] NPO

by "Ted Williams" <ted@g0u11.fsnet.co.uk>
92) [113964] QRP Quarterly
by J.Bennett@lboro.ac.uk
93) [113965] Loop Success
by "John Dorson" <jdorson@Worldshare.net>
94) [113966] Re: cheap vertical
by "Mike Yetsko" <myetsko@insydesw.com>
95) [113967] NoGa Compendium in time for Xmas
by "John P. Cummins, Sr." <jpcummins@charter.net>
96) [113968] one-touch-tune
by n2go@arrl.net
97) [113969] Re: Construction Articles Dwindling
by dmaliniak@penton.com
98) [113970] Re: one-touch-tune
by W2AGN <w2agn@pobox.com>
99) [113971] NoGa Compendium
by "John P. Cummins, Sr." <jpcummins@charter.net>
100) [113972] Re: one-touch-tune
by "Mike Yetsko" <myetsko@insydesw.com>
101) [113973] RE: Construction Articles Dwindling
by "Kory Hamzeh" <kory@avatar.com>
102) [113974] Re: Magnetic loop
by Alex <kr1st@amsat.org>
103) [113975] Re: one-touch-tune
by n2go@arrl.net
104) [113976] Re: cheap vertical
by John Harper AE5X <ae5x@qsl.net>
105) [113977] Re: Construction Articles Dwindling
by "Rob Matherly" <kc0bom@arrl.net>
106) [113978] Re: Construction Articles Dwindling
by "Mike Yetsko" <myetsko@insydesw.com>
107) [113979] Re: KITS: Noise Bridge announcement
by "Dave Benson" <nn1g@earthlink.net>
108) [113980] Re: one-touch-tune
by W2AGN <w2agn@pobox.com>
109) [113981] Re: Write Something! Re: Construction Articles ...
by Bruce Muscolino <w6toy@erols.com>
110) [113982] Cheap Vertical
by "Tom Pennebaker" <n4rs@netpath-rc.net>
111) [113983] OT (somewhat): Strange QRM summary
by Vance Huntsinger <vhuntsinger@iwiw.net>
112) [113984] Re: Construction Articles Not Necessarily Dwindling
by Bruce Muscolino <w6toy@erols.com>
113) [113985] Re: Construction Articles Dwindling
by Bruce Muscolino <w6toy@erols.com>
114) [113986] Re: one-touch-tune
by Joe Reed <joe@n9jr.dyndns.org>
115) [113987] Re: Construction Articles Dwindling

by "Rob Matherly" <kc0bom@arrl.net>
116) [113988] Re: Write Something! Re: Construction Articles ...
by baltimoremd@baltimoremd.com
117) [113989] Re: Write Something! Re: Construction Articles ...
by W2AGN <w2agn@pobox.com>
118) [113990] Re: cheap vertical
by William R Colbert <w5xe@juno.com>
119) [113991] Re: cheap vertical
by Larry Cahoon <lejek@erols.com>
120) [113992] RE: ScQRPion Stinger Singer Freq. Counter +10
by "Adrian Weiss" <aweiss@usd.edu>
121) [113993] RE: Cheap Vertical
by "TheRubins" <hrubin1970@home.com>
122) [113994] NO joy in mudville...
by "ss lyon" <sslyon@megalink.net>
123) [113995] Re: Mini Circuits LRMS-1H?
by "Mike Czuhajewski" <wa8mcq@erols.com>
124) [113996] Cheap Vertical? How about a crappie one? (smile)
by ARDUJENSKI@aol.com
125) [113997] Not QRP: Help with TS 820 Display
by Fred Lesnick <flesnick@tbaytel.net>

Date: Tue, 04 Dec 2001 19:48:11 -0500
From: John Harper AE5X <ae5x@qsl.net>
To: QRP-L <qrp-l@lehigh.edu>
Subject: [113873] 160m Sprint preps
Message-ID: <000501c17d26\$84ac5400\$835dbc18@johnharp>
MIME-version: 1.0
Content-type: text/plain; charset=iso-8859-1
Content-transfer-encoding: 7BIT

I bought a 500' roll of bare stranded copper wire at Home Depot today and converted it into ground radials for my inverted L. Some of the radials are 133' long, some are only 40' long. They bend around the house and they become one with the chain link fence. A "before and after" bandwidth test showed that the 2:1 SWR bandwidth decreased from 9 kHz to 7.5 kHz with the addition of more radials.

I'm looking forward to the contest and would like to know what type of antenna you folks are going to use. Please include that in the Soapbox - it might be edjukashunal to compare scores with antennas. 73,

John Harper AE5X
Outdoor QRP & Lowband DXing: <http://www.qsl.net/ae5x>

Date: Tue, 4 Dec 2001 19:53:58 -0500
From: "ss lyon" <sslyon@megalink.net>
To: "chat qrp" <qrp-1@lehigh.edu>
Subject: [113874] 160m SCRAMBLE
Message-ID: <01aa01c17d27\$5290c360\$038798ce@megalink.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

And scramble it is... trying to construct/collect/put up/patch... while
keeping honey bunch happy. Got the KD1JV "Berliner" all ready (SMD, 5w, DSS,
really cool), 260' J-Pole for the kite (if wind is with us), 260' dipole in
the 65' trees, (if wind is .not. with us), 650' Beverage for good hearing
(pointing in wrong direction -but that's property lines for you), 12 pack of
warm libation, (slows down consumption while maintaining hydration, ja?)
Cheeze Doodles... am I missing anything?
CU there
73
AA1MY

Seabury & Sharon Lyon
99 Sparrowhawk Mtn Rd
Bethel, Me, 04217 U.S.A.
207-836-2576

Virus Protection by Norton and ZoneAlarm

Date: Tue, 4 Dec 2001 17:44:00 -0700
From: "T.W." <wb5qyt@abq.com>
To: <qrp-1@lehigh.edu>
Subject: [113875] 160 M contest
Message-ID: <MABBIKAEJNPMOAJMBKJJMEIJCHAA.wb5qyt@abq.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="Windows-1252"
Content-Transfer-Encoding: 7bit

Gang,

If there is a breeze tomorrow night am also going to try an 1/4 wave vertical held up by my Delta kite. Probably put down 3 or 4 radials. This system used to work fb last time I tried it

Still not giving up on my mobile antenna....will also try it..

72, CU in the test.....WB5QYT..."Have spud will travel!"

Date: Tue, 04 Dec 2001 20:19:06 -0500
From: Ray Sills <raysills@1stconnect.com>
To: QRP list <qrp-l@lehigh.edu>
Subject: [113876] Re: RS Simplex Repeater
Message-ID: <B832D4D4.B514%raysills@1stConnect.com>
Mime-version: 1.0
Content-type: text/plain; charset="US-ASCII"
Content-transfer-encoding: 7bit

Hi Guys:

I've seen them at clearance prices, too. I had one (bought when on sale), and picked up another on closeout. It could be a very useful gadget in an emergency situation. The "repeater" and an HT on a hilltop could be used as a portable emergency traffic repeater.

Basically, it's an audio device. It records (up to 30 seconds, I think) of audio from the HT, then plays it back and keys the PTT line of the HT. Works perfectly with RS, Icom, Alinco, Standard HTs.

73 de Ray
K2ULR
FN20t1

> From: "Glenn Butzlaff" <gbutzlaff@wi.rr.com>
> Reply-To: gbutzlaff@wi.rr.com
> Date: Sun, 2 Dec 2001 10:42:21 -0600
> To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
> Subject: Re: RS Simplex Repeater
>
> Our local Radio Shacks were closing these out at \$20.00 a pop. I ahve seen
> these in the eHam classified section at \$40 or less.
>
> Glenn, WE9K
>

> ----- Original Message -----

> From: N3BJ <alanfryer@email.msn.com>

> To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>

> Sent: Sunday, December 02, 2001 6:07 AM

> Subject: FS: RS Simplex Repeater

>

>

>> For Sale: Radio Shack Simplex Repeater Model 19-345. Originally sold for
>> \$99.99, will ship for \$64.00.

>> Works with any Ham or commercial transceiver. Like new with original box
>> and original documentation.

>>

>> Alan, N3BJ

>> Bent Mountain, VA

>>

>

Date: Tue, 4 Dec 2001 19:45:05 -0600

From: "tmyers" <tmyers@AcademicPlanet.com>

To: <n5em@flash.net>,

"Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Subject: [113877] Re: [elmer101] 50K/100K pots ?

Message-ID: <00bc01c17d2e\$789b5d20\$1600a8c0@newkid>

MIME-Version: 1.0

Content-Type: text/plain;

charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

It seems to me that the selectivity may be effected. Also what would be
the effect of a 10 turn 100k pot? Is the rig selective enough with just
270 degrees to get the full voltage?

KQ5U, Terry

Spring, TX

----- Original Message -----

From: Ed Manuel (N5EM) <n5em@flash.net>

To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>

Sent: Tuesday, December 04, 2001 9:11 AM

Subject: Re: [elmer101] 50K/100K pots ?

> Gang,

>

> While it is generally good to try to get the right part as specified by
> the designer, the case of the tuning pot in the SW-series transceiver is
> not necessarily one of them.
>
> The pot is used to provide a voltage divider to create a variable voltage
> for the varactor diode. If you examine the schematic diagram, you will see
> that at the top of the pot you have regulated 8 vdc from the voltage
> regulator. The bottom of the pot is grounded. The wiper provides a
> variable voltage from 0 to 8 volts to vary the capacitance of the
> varactor
> diode and tune the rig.
>
> The pot value does not determine the voltage range, and hence the
> tuning
> range. That is a function of the total voltage swing. What the pot
> value
> does determine in this circuit is the total amount of current drawn by
> the
> pot. A 100K pot will draw .08 ma of current. A 50K pot will draw .16
> ma
> of current. Probably not something you should worry about. Now, if
> you
> were to substitute a 5K pot instead it would draw 1.6 ma. In the
> grand
> scheme of things, no big problem but why use that extra 1.5 ma of
> current. We ARE QRPers, right :-)
>
> Component substitution is something to be approached cautiously, lest
> you
> compromise the performance of a circuit. The key is to understand
> just why
> a component is there and what it does. After that, you can make a
> decision
> about a substitution.
>
> Hope that helps.
>
> Ed, N5EM
>
>
>
>
>
> At 08:59 AM 12/4/01 -0500, you wrote:
>

> >A 50 K pot might work but might also seriously compromise the range
of
> >tuning. There is a reason why Dave specified 100 K pots. Ask you
local
> >Radio Shack to order them. Would you seriously consider running your
> >car on half its spark plugs?
> >
> >73
>

Date: Tue, 4 Dec 2001 18:58:03 -0700
From: "Rod N0RC" <rod@n0rc.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>,
"cqc-1" <CQCLIST@yahoogroups.com>, <ncarc@qth.net>
Subject: [113878] FS Kenwood YK-88C-1, 500Hz CW Filter
Message-ID: <000701c17d30\$ac9eb930\$15ebfea9@c919125b>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Working pull from my 570D(G), \$75 Shipped CONUS

(I went to a INRAD 400Hz filter)

Happy Holidays
73, Rod N0RC
Ft Collins, CO

Date: Tue, 4 Dec 2001 18:04:08 -0800
From: "Trevor Jacobs" <fxtech@earthlink.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [113879] All set up in WI...
Message-ID: <001c01c17d31\$216ac740\$7063fc9e@tjnotebook>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi Guys (and Gals),

Set up the multiband dipole at the hotel here in Middleton,WI tonight and am

going to try it out in the CUB Fox Hunt. Tunes great on 40, but haven't tried any other bands yet. If you hear me in the hunt, e-mail me a signal report if you get a chance so that I know I'm getting out. Thanks and hope to work you over the next week and a half. E-mail me if you'd like a sked...

72/73's
Trev
KG6CYN

Date: Tue, 4 Dec 2001 21:09:05 -0500
From: "ss lyon" <sslyon@megalink.net>
To: <wb5qyt@abq.com>,
"Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [113880] Re: 160 M - QYT...
Message-ID: <01bc01c17d31\$d11ea300\$038798ce@megalink.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="Windows-1252"
Content-Transfer-Encoding: 7bit

Why not try a 1/2 wave? If wt. is a big issue, ok, but you don't really need radials with a 1/2 wave, esp. if center fed. I'll be flying my 9'X10' Scott Sled (NJQRP) at over 600', suspending the J-Pole antenna from about the 350' point.... IF the wind is with me.

73
AA1MY

Seabury & Sharon Lyon
99 Sparrowhawk Mtn Rd
Bethel, Me, 04217 U.S.A.
207-836-2576

Virus Protection by Norton and ZoneAlarm
----- Original Message -----
From: "T.W." <wb5qyt@abq.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Tuesday, December 04, 2001 7:44 PM
Subject: 160 M contest

> Gang,
>
> If there is a breeze tomorrow night am also going to try an 1/4 wave
> vertical held up by my Delta kite. Probably put down 3 or 4 radials. This

> system used to work fb last time I tried it
>
> Still not giving up on my mobile antenna....will also try it..
>
> 72, CU in the test.....WB5QYT..."Have spud will travel!"
>

Date: Tue, 04 Dec 2001 21:21:26 -0500
From: Al Scanandoah <k2zn@rochester.rr.com>
To: qrp-1@lehigh.edu
Subject: [113881] 160 warm-up
Message-ID: <3C0D84A6.8FEBE4B6@rochester.rr.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Feebly calling CQ on 1810...

Al, K2ZN

Date: Tue, 04 Dec 2001 21:17:09 -0500
From: Ed Kessler <edkess@pa.net>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [113882] Mini Circuits LRMS-1H?
Message-ID: <5.0.2.1.0.20011204211430.00a23490@mail.pa.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Does anyone have any experience with this mixer? Mini-Circuits lists an LRMS-1HJ in their Level 17 Surface Mount Mixers. Is the LRMS-1H it's precursor? I'm assuming the pinout is pin 1 at the "red dot" and across the chip to pin 2, etc., like the SBL or TUF series?

Any help would be appreciated.

Thanks,

73

Ed AA3SJ

Date: Tue, 4 Dec 2001 21:25:35 -0500
From: "ss lyon" <sslyon@megalink.net>
To: <k2zn@rochester.rr.com>,
"Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [113883] Re: 160 warm-up
Message-ID: <01d401c17d34\$1f17a820\$038798ce@megalink.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

OK... I'll try 1.81 +/- now for a half hour. Tried the NEQRP net but can't find anybody... something I said?

72

-s-

Seabury & Sharon Lyon
99 Sparrowhawk Mtn Rd
Bethel, Me, 04217 U.S.A.
207-836-2576

Virus Protection by Norton and ZoneAlarm
----- Original Message -----
From: "Al Scanandoah" <k2zn@rochester.rr.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Tuesday, December 04, 2001 9:21 PM
Subject: 160 warm-up

> Feebly calling CQ on 1810...
>
> Al, K2ZN

Date: Tue, 04 Dec 2001 21:28:04 -0500
From: Alex <kr1st@amsat.org>
To: kd7s@psnw.com
Cc: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Subject: [113884] Re: Magnetic loop
Message-ID: <3C0D8634.C570C0E4@amsat.org>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi Bill,

I finally had a chance to play a bit with the loop. I took off the alligator clip and soldered the lead directly to the capacitors as you suggested. The bandwidth did not decrease unfortunately on 17 and 20 meters, it stayed exactly the same.

Next I replaced the metal base with a PVC one. Again no difference. Then I took the antenna outside on the patio. The bandwidth decreased to about 33 kHz on 20 meters, but that's still not close to 10 kHz unfortunately. When placed outside it does not make a difference whether I use the metal base or the PVC one. I also took out the choke, which made no difference either.

I think it's the coax capacitor itself that makes the loop less efficient, but I don't know that until I replace it with something else.

Thanks for your suggestions!

73s,
--Alex

Bill Jones wrote:

>
> Congratulations Alex, on your loop.
>
> I would like to offer a couple observations based on my own experience with
> small loops. The antenna's bandwidth, especially on 20 meters suggests
> there may be a fair amount of IR loss in the antenna. There are two
> possibilities. First, the clips used to connect the coax capacitors to the
> main tuning capacitor will indeed introduce a few milliohms of resistance.
> As a test, bridging the clip with a soldered piece of braid from a small
> piece of coaxial cable. Check your bandwidth on 20 meters and see if it
> doesn't decrease. Second, if you're using the antenna inside it is probably
> coupling to other metal objects. Try taking the loop outside and getting it
> well away from any kind of metallic objects and running a bandwidth test
> again. If you are getting much more than a 7-10 kHz bandwidth on 20 meters
> you no doubt have excessive losses.
> =====
> Bill Jones - KD7S <><
> Sanger, California
> =====

Date: Tue, 04 Dec 2001 20:30:02 -0600

From: Vance Huntsinger <vhuntsinger@iwic.net>
To: qrp-l@Lehigh.EDU
Subject: [113885] Strange QRM
Message-ID: <4.2.0.58.20011204202206.00a8d3a0@mail.iwic.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Just a few minutes ago, I was in QSO with KJ4MH in Florida, using my DSW-30. He cranked his power down from 100 watts to 3 watts and was still solid copy. Just then, a "woodpecker" type of QRM started up, pretty much wiping out his signal. I heard him say something about QRM, so he must have heard it, too. It extended from about 10.114 MHz to 10.1355 MHz (checked it with another rig). Anyone else hear this or know what it is? Needless to say, it ended our QSO. I have also heard stations on 30 meters sending 5-character groupings in CW. Could be code practice, I suppose. In these times, one wonders.

Vance-WA9YDJ

Date: Tue, 4 Dec 2001 20:51:33 -0600
From: Todd Enders <enders@bolshoi.cc.misu.nodak.edu>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [113886] Fox -- Tony in the Bag
Message-ID: <200112050251.AA00552@bolshoi.cc.misu.nodak.edu>
Content-Type: text/plain
Mime-Version: 1.0 (NeXT Mail 4.2mach_patches v148.2)

Got Tony about 30 min. ago. Running almost 599 here with a bit of QSB at about 7.054.4. Doing steady business. Go get him!

72/73,

Todd, AG0T

Date: Wed, 5 Dec 2001 02:47:41 -0000
From: "TC Dufresne" <tdufresne@neb.rr.com>
To: <qrp-l@lehigh.edu>
Subject: [113887] FOX-Got him!
Message-ID: <001301c17d37\$3591b7a0\$89b41c41@neb.rr.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

He's out there folks and calling....about 7.055MHz...about 0255z.

Like shooting fish in a barrel.....(wicked grin)

Tom

KC0GXX

Date: Tue, 4 Dec 2001 22:01:24 -0500
From: "Tom Pennebaker" <n4rs@netpath-rc.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [113888] Marker Generator
Message-ID: <00ed01c17d39\$208ffe00\$d62a1bce@pavilion>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I'm contemplating getting a TT2. Why is there so much emphasis put on the "Marker Generator". I must be missing something....I've got a very good and accurate receiver to let me know where I'm at. Someone please enlighten me...Tom N4RS

Date: Tue, 4 Dec 2001 19:17:42 -0800
From: "Bob Tellefsen" <n6wg@earthlink.net>
To: <qrp-1@lehigh.edu>
Subject: [113889] Da Fox is Coming, Da Fox is Coming
Message-ID: <MABBJOEABOILMKCJCLFCKEDPCOAA.n6wg@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Good evening, all. This is the first turn in the barrel for N6WG this season.

Hope to hear lots of hounds baying after my lil furry hide.

I'll be around 7041, +/- QRM naturally. I'll be sending 559 CA BOB 5W.

I will be working split, and won't be listening on my own freq until later in evening.

If you don't have SPLIT capability, but do have RIT, move up frequency a bit above me, and use your RIT to tune me in. For all practical purposes, you are working SPLIT at that point, just not as wide as some others.

I just got my phased array back up, but at a lower height, only 35 ft at the ends, and 30 ft in the center. But it does work. Sure hope we have good conditions. I'd like to get some stations east of the Mississippi River into my log.

See you all Thursday evening, local time (0200 UTC Friday morning). That's 6PM PST, 7PM MST, 8PM CST and 9PM EST.

73,
Bob N6WG
Newark, CA on SF Bay

Date: Tue, 4 Dec 2001 19:17:43 -0800
From: "Bob Tellefsen" <n6wg@earthlink.net>
To: <qrp-l@lehigh.edu>
Subject: [113890] Top Band Here I Come
Message-ID: <MABBJOEABOILMKCJCLFCMEDPCOAA.n6wg@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

With the help of a friend, I got a 40 ft mast up today, and my 160m vertical is back up. It's about 40 ft of 450 ohm line with the wires shorted together. I now have 5 30 ft top loading wires for a capacity hat. I'll be tuning it up tomorrow, plus trying to repair my overhead radials. They were pretty well trashed when the wind took my 50 ft mast down.

Anyway, hope to represent the San Francisco Bay area in the QRP sprint Wednesday evening.
Give a listen for N6WG. I won't be loud, but I'll be there.

73, Bob N6WG

Date: Wed, 05 Dec 2001 04:47:10 +0100
From: DK3RED@t-online.de (Ingo, DK3RED)
To: Elecraft <elecraft@qth.net>, QRP-L <qrp-l@lehigh.edu>
Subject: [113891] [OT] Sorry for the test
Message-ID: <3C0D98BE.9013B952@t-online.de>
MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Sorry for the test

--

72/73 de Ingo, DK3RED (Don't forget: the fun is the power !)
dk3red@t-online.de - www.qsl.net/dk3red - www.t-online.de/~dk3red

Date: Tue, 4 Dec 2001 23:32:44 -0500
From: "Nick Yokanovich" <k3ny@cablespeed.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [113892] New Red Hot 20 joins the airwaves
Message-ID: <004201c17d45\$e4d0f740\$8f00a8c0@default>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I didn't get it finished in time for the SP Monday night, was winding toroids between QSOs, but got it finished tonight. Output 7 watts on 13.8 volts into a 50ohm dummy load . Re-set to 5 w.
First QSO was with AK3X/QRP/M, my good friend Pete, just 10 miles up the road at DX Central in Glen Burnie, MD. (you may hear from more from him later). This was not a pre-arranged QSO -- I heard him way down in the grass calling CQ, and after figuring out how the Tick worked, got it set up and gave him a shout. Got a good report, good sound, no chirps or clicks.
This was a very satisfying project. Lots of work, but a quality rig at the end. I am sorry I didn't start building it long ago. Dave's instructions are superb, and the checks one performs at the completion of each section take away the drama of the initial smoke test.

Nick K3NY Arnold, MD
My name is not Arnold and I am not a doctor.

Date: Tue, 4 Dec 2001 23:39:57 -0500
From: "ss lyon" <sslyon@megalink.net>
To: "chat qrp" <qrp-l@lehigh.edu>
Subject: [113893] NF0R on 160m heard in Maine...
Message-ID: <008b01c17d46\$e4dc2560\$038798ce@megalink.net>

MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

and if it's any indication of the 160m prop condx tomorrow, we're in for a great time! Quite a few test runs heard from MD, VE2, W9, W8... some QRO "bottom feeders" being amazed at what 5 W can do... oh yea -this'll be great.

72
AA1MY

Seabury & Sharon Lyon
99 Sparrowhawk Mtn Rd
Bethel, Me, 04217 U.S.A.
207-836-2576

Virus Protection by Norton and ZoneAlarm

Date: Tue, 4 Dec 2001 22:48:40 -0600
From: "David Bixler" <qrp@netins.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [113894] 80 Meter Fun
Message-ID: <DBEPKBJH00EAHCKKIHPFMEALCKAA.qrp@netins.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi Gang:

Just worked Wayne NB6M out in California on 3686 KHz at 0430 UTC.

He is using his SMK-80 at 750 MW and gave him a new state (Missouri). He is CQ'ing and looking for others.

Good hunting.....

Dave

David Bixler W0CH
Seneca, MO

Main Web Site: <http://www.qsl.net/w0ch>
Mirror Site: <http://showcase.netins.net/web/w0ch>

Underdogs Team Site:
<http://www.qsl.net/w0ch/underdogs/underdogs.htm>

QRP: Little Radios, Big Fun!

Date: Wed, 5 Dec 2001 00:11:22 EST
From: NB6M@aol.com
To: QRP-L@lehigh.edu
Subject: [113895] Furthest DX yet on 3.686
Message-ID: <f9.13ac843e.293f067a@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Hi All,

Thanks very much to Dave, W0CH, in Seneca, Missouri, for adding a new state to the SMK80 Log this evening, and for setting a new record for furthest DX with the little rig.

Between the intermittent line noise I was experiencing, Dave's K2 at 5 Watts was solid copy, and RST 559. With the line noise present, it went to 459, with about 70 % copy. He gave me a 339, which I was very glad to get from that far away.

I had looked, earlier, for AB8DF, in Michigan, without success. Maybe next time, hi.

When I set out to move the SMK-1 to 80, I never really dreamed that QSOs could be had over such distances with it.

Of course, a lot of that has to do with the very good QRP operators that we have out there to draw from.

I hope to hear and talk with more of you as the winter season goes on.

It is always a thrill to push the envelope with further DX contacts, but I very much enjoy the longer chats with old and new friends as well.

Hope to see you at the watering hole.

Wayne NB6M

Date: Tue, 4 Dec 2001 23:05:26 -0700
From: "Jim FitzSimons" <cherry@getnet.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [113896] Re: Mini Circuits LRMS-1H?
Message-ID: <012b01c17d52\$d6092b80\$a122893f@pavilion>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Ed, that mixer is not a QRP mixer. It requires 17 Dbm LO drive.
It is a low distortion mixer. I have my minicircuits catalogs at work.
I am sure you can get a data sheet for that mixer on the internet.
Jim W7ANF

----- Original Message -----
From: "Ed Kessler" <edkess@pa.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Tuesday, December 04, 2001 19:17 PM
Subject: Mini Circuits LRMS-1H?

> Does anyone have any experience with this mixer? Mini-Circuits lists an
> LRMS-1HJ in their Level 17 Surface Mount Mixers. Is the LRMS-1H it's
> precursor? I'm assuming the pinout is pin 1 at the "red dot" and across
> the chip to pin 2, etc., like the SBL or TUF series?
>
> Any help would be appreciated.
>
> Thanks,
>
> 73
> Ed AA3SJ
>
>

Date: Wed, 5 Dec 2001 05:02:08 -0500
From: "Brice D. Hornback" <bdh@cyberbound.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [113897] TINY-TORNADO Transceiver Kit Update

Message-ID: <14a901c17d73\$e9b440e0\$7001a8c0@lwrnc1.in.home.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Time is running out to order a TINY-TORNADO kit. After Friday, I will no longer accept orders paid by check or money order. All orders must be confirmed by email AND postmarked on or before December 7th (Friday) or I cannot guarantee there will be enough kits. If you have already confirmed your order and have sent a check... no problem and thank you.

I want to make sure I receive payment from everyone in time to get everything ordered and the kits shipped out quickly as a lot of these were ordered as gifts.

I will continue to accept orders via PayPal until the last confirmed payment by check has been received.

Please don't put it off. If you want to get one of these kits... now is the time to order.

<http://www.QRPp-I.com>

Or direct to the Tiny-Tornado page:
<http://www.QRPp-I.com/tinytornado.htm>

Thank you for all your interest.

72/73 DE KA8MAV (Brice)
Indianapolis, IN EM79au
QRPp-I #1, QRP ARCI #10972, QRP-L #2360, ARRL
KLQRP, FPQRP -156, ARS #1,138, NETXQRP #27
AOL Instant Messenger ID: ka8mav

QRPp International Radio Club
Tiny-Tornado Transceiver Kits
<http://www.QRPp-I.com>

Date: Wed, 5 Dec 2001 05:51:38 -0500
From: "Tony Parks" <robert.parks11@gte.net>
To: <qrp-l@Lehigh.EDU>
Subject: [113898] Cub fox run of 12/04
Message-ID: <001801c17d7a\$d1c1b6a0\$9b85113f@3dse0>

MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Thanks to all you hounds I had a decent outing as Cub Fox last evening.
Looks like 46 pelts were given out not counting the log entries given below.

0348 KL7CC 599 AK JIM 3W
0350 KH6RC 579 HI BUD 75W
0354 GM3LR 539 NR LONDON VIC 200W
0355 J7GVC 449 NR TOKYO NIKO 1KW

Funny thing, all four stations had the same frequency and same keying characteristics. Sounds like someone was messing with the Cub Fox...not nice and also illegal.

Thanks to all you REAL hounds!! Log will be posted this evening...I hope.

73,
Tony
KB9YIG

Date: Wed, 05 Dec 2001 07:11:58 -0600
From: Steve Yates - AA5TB <aa5tb@arrl.net>
To: QRP-L Distribute <qrp-l@Lehigh.EDU>
Subject: [113899] Re: Magnetic loop
Message-ID: <000301c17d8e\$6c54a840\$02703ed8@pavilion>
MIME-version: 1.0
Content-type: text/plain; charset=iso-8859-1
Content-transfer-encoding: 7BIT

Hi Alex,

I have found that just about any capacitor with a dielectric other than air or vacuum to be too lossy for small "magnetic" loop applications. I am sure something exists that will work with a solid dielectric but I just haven't found it yet. Put a little more power to your loop and you will quickly see where the losses are :-)) I may have mentioned to you that I once used coax as a fixed capacitor for a small 20m loop and after resonance drifting due to RF heating (losses) the exposed end caught on fire! Maybe a coax with a Teflon dielectric such as some of

the semi-rigid
coax may work better for you although I have never tried it.

As you already know, if a small loop doesn't have a very narrow bandwidth then there is something wrong with it ;-)

73,
Steve Yates - AA5TB
Fort Worth, TX - EM12gs
<http://www.geocities.com/aa5tb>
aa5tb@arrl.net

Date: Tue, 4 Dec 2001 09:47:11 -0500
From: "AI2Q Alex" <ai2q@adelphia.net>
To: "'Low Power Amateur Radio Discussion'" <qrp-l@Lehigh.EDU>
Subject: [113900] RE: TEST EQUIPMENT
Message-ID: <000001c17cd2\$8f19e5a0\$6401a8c0@alex>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

My article at <http://www.eham.net/articles/1024> is an easy to build piece of test gear.

== Vy 73, AI2Q, Alex in Kennebunk, Maine QRP-L 687 .-.-.

Date: Wed, 05 Dec 2001 14:43:32 +0100
From: DK3RED@t-online.de (Ingo, DK3RED)
To: QRP-L <qrp-l@lehigh.edu>
Subject: [113901] Re: Mini Circuits LRMS-1H?
Message-ID: <3C0E2484.1AC9B7AA@t-online.de>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hello Jim,

> ... that mixer is not a QRP mixer. It requires 17 Dbm LO drive.

I mean that QRP is a definition of the output power and not of the LO drive. ;o))

--

72/73 de Ingo, DK3RED (Don't forget: the fun is the power !)
dk3red@t-online.de - www.qsl.net/dk3red - www.t-online.de/~dk3red

Date: Wed, 05 Dec 2001 08:50:41 -0500
From: Bruce Muscolino <w6toy@erols.com>
To: "Hare,Ed, W1RFI" <w1rfi@arrl.org>, qrp-1@lehigh.edu
Subject: [113902] Re: ARRL How much?
Message-ID: <3C0E2631.321862AE@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Well, very good. I thought the money came from sales of old lab equipment. No doubt ham radio benefitted from this action. You were in a unique position to be allowed to "sell off" the League's old test equipment. You were probably able to get more for the League than if they had sold it to a used test equipment dealer. To return the proceeds to the League seems proper too, because you would not have had access to the equipment without your League employment. Not all of us have such access.

73

Date: Wed, 05 Dec 2001 07:58:37 -0600
From: "Chuck Carpenter" <w5usj@globeco.net>
To: qrp-1@Lehigh.EDU
Subject: [113903] Tiny Tornado Built
Message-ID: <3.0.2.32.20011205075837.008793f0@mail.globeco.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

QRPP-ers,

I've finished stuffing my Tiny Tornado board from the transceiver kit supplied by Brice Hornback, KA8MAV. I'm mounting the kit and peripheral components in a Bud Box which is in the drilling and painting process now. Should have it done by this weekend. A picture of my completed board is on

the QRPP-I web site.

<http://www.qrpp-i.com/> -- look for the photo gallery near the bottom of the page.

Very nicely done kit including a double sided PCB with plated-through holes. Makes mounting and soldering the parts much easier.

The components are good quality. You will need to supply a crystal or buy one for 40 or 20 meters from Brice. Other parts needed depend on how extensive you do the final packaging.

Brice also includes a manual with info on the history of the Pixie-2 derived Tiny Tornado and step by step assembly instructions. Additional info in the manual includes options for enhancing the kit.

The price of the kit, which I paid for using PayPal, may seem a bit high to some. The quality of the kit makes it worth the price to me.

Should have the Tiny Tornado transceiver on the air by this week end. If all goes OK, I'll be CQing around 7040 very early Saturday morning (think gray-line enhancement).

Chuck Carpenter, W5USJ, Point, Rains Co., TX - EM22cv, NETXQRP #1
QRP-ARCI #5422, QRP-L #1306, SOC #57, Six Club #201, SMIRK #6275
Zombie #759, QRPP-I #115, Visit NETXQRP Web Site: <http://www.netxqrp.org>

Date: Wed, 05 Dec 2001 09:00:31 -0500
From: Mike Maiorana <mikemo@attglobal.net>
To: tmyers@AcademicPlanet.com
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [113904] [Elmer 101] Tuning pot values
Message-ID: <3C0E287F.346955@attglobal.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

> It seems to me that the selectivity may be effected. Also what would be
> the effect of a 10 turn 100k pot? Is the rig selective enough with just
> 270 degrees to get the full voltage?

Ok folks, I'll try to be a little more clear. The value of this pot will NOT have any affect (thanks George) on tuning range or selectivity or any other property of the radio, except for an insignificant change in

supply current.

I guess I'll cover this now. The VFO is tuned by a varactor diode. This diode is basically a voltage controlled capacitor. As you increase the reverse bias on a diode the junction capacitance decreases. This is how we tune the radio for different frequencies. The varactor in this design uses anywhere from 0 to 8 volts to change the tuning. This pot is simply a voltage divider, where the top of the pot is at 8 volts (regulated by U2) and the bottom is at ground. So, as you turn the pot the wiper (center pin) voltage will change from 0 to 8 volts. ANY pot will do the same thing. However, too low a value increases power supply current drain (which is bad). Too high a value will increase the output impedance of the wiper and then the voltage would be more likely affected by changes in load impedance.

Remember ohms law? Let's use it. Look at the tuning pot in the schematic. We will look at the 100k value first. Disregard the wiper or center connection for now. We have 8 volts across the resistor, so, $I=E/R$ gives us $I=8/100,000$ or $I=80$ microamps. So when the power is connected we have 80 microamps of current flowing through the pot. Let's say the wiper is exactly in the middle. How would you figure out what voltage would be there? If the wiper is half way then the resistance from the wiper to ground would be 50k. $E=I \times R$ or $E=80$ microamps \times 50,000 or $E=4$ volts. Notice that as you move the wiper toward ground, the resistance between the wiper and ground drops and the voltage follows. Also notice that no matter where the wiper is there is still 80 microamps of current flowing through the pot. Now, use any other value you wish and do the same calculations. You will see that the current through the device changes with value, but the output voltages are exactly the same for the same position of the wiper.

One last thing to consider. Often we look at circuits and evaluate them ignoring subtle but more complex issues. Consider our tuning pot. I asked you to disregard the wiper center connection. Realize that any load on the wiper WILL affect the voltage on it. Let's look at the above example with the 100k pot with the wiper in the center. We have 4 volts on it. Now, what would happen if we connected a 1 meg ohm resistor from the wiper to ground. This changes our voltage because our resistance to ground changes. From our basic formulas for parallel resistance, you should see that the resistance to ground is 50k in parallel with 1 meg ohm, which equals approx. 47.6k. The one meg resistor dropped our resistance by 2.4k. So, going back to the ohms law equation, $I=E/R$, our current flowing through the pot is $I=8 / 97.6k$ or about 82 microamps. So the voltage is $E=I \times R$ or $E=82$ microamps \times 47.6k or about 3.9 volts. So, we can see that a change in load on the wiper WILL change the wiper's voltage.

Keep in mind that if the load is constant that this change can be

disregarded as you will still have the same change in voltage from the top of the pot to the bottom. If the load on that pin changed while the circuit was operating it would certainly change the tuning of the radio, which would be very bad. The circuit connected to the pot is a very high impedance circuit (for DC) consisting of a reverse biased diode and a capacitor, both of which ideally draw no current at all. So, all is well with our design.

50k to 100k is a good tradeoff between low power and high output impedance. Use whatever you want. And yes, a 10 turn pot would be a nice thing to have, but not a necessity. It will just make it easier to tune.

I hope this makes sense ;-)

Regards,

Mike Maiorana, KU4QO

Date: Wed, 05 Dec 2001 08:59:43 -0500
From: Bruce Muscolino <w6toy@erols.com>
To: "Hare,Ed, W1RFI" <w1rfi@arrl.org>, qrp-l@lehigh.edu
Subject: [113905] Re: ARRL How much?
Message-ID: <3C0E284F.C6EDD980@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

There you go again! I did not ask for any contribution to be made in my name. I resent your saying anything of the sort. I resent your "volunteering" to do something in my name! It is an embarrassment. You are trying to make it seem like I am a mean spirited old man, which I am not. You are sticking your nose in where it is not wanted nor required. Your action is as high handed as the League's "defense of frequencies" when all they are defending is your salary!

Date: Wed, 05 Dec 2001 09:03:07 -0500
From: Bruce Muscolino <w6toy@erols.com>
To: NB6M@aol.com
Cc: QRP-L@lehigh.edu
Subject: [113906] Re: CB Slider for TT2 ??? 000PS, Wrong CB Slider Schematic
Message-ID: <3C0E291B.B36BFAAD@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Well, if you want to build the original, and you can find the parts, go to it! If you want to build the later design, then you have found the correct web page! Both will work very well, it is just difficult to find the parts, in particular, L1 through L4 for the original!

73

Date: Wed, 5 Dec 2001 06:34:22 -0800
From: "Bill Jones" <kd7s@psnw.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [113907] Construction Articles Dwindling
Message-ID: <000901c17d99\$eefb4f00\$318b6bd1@j3s0p2>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I dropped by my local library on my lunch hour yesterday and picked up the December, 2001 issue of CQ magazine. I was disappointed to see absolutely no construction articles anywhere. This morning, just for the fun of it I picked up my December, 2001 issue of QST and checked the annual index. I counted sixteen construction articles for the year. Then I went to the December, 1996 QST and counted twenty-four construction articles. There was a whopping 33% decrease in the past five years alone. Sad, for sure.

=====
Bill Jones -- KD7S -- <><
Our job is to love others
without stopping to inquire
whether or not they are worthy
=====

Date: Wed, 05 Dec 2001 09:37:14 -0500
From: Mike Maiorana <mikemo@attglobal.net>
To: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [113908] 13.5 mhz crystals
Message-ID: <3C0E311A.DFFA1B93@attglobal.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Does anyone who purchased the sack of 300 of these crystals want to sell me a handful? Or, I've got a few thousand Motorola MPS-A20 transistors

(2n2222 2n3904'ish) if you want to trade for a bunch. I'd like some crystals to play with, but I really don't need 300 ;-)

Thanks!

Mike Maiorana, KU4QO

Date: Wed, 05 Dec 2001 09:53:18 -0500
From: David Hinerman <WD8CIV@worldnet.att.net>
To: qrp-l@lehigh.edu
Subject: [113909] cheep vertical
Message-ID: <5.1.0.14.1.20011205094731.00a70590@ipostoffice.worldnet.att.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Folks,

Has anyone here ever used metal conduit for a vertical HF antenna? It comes in 8 (or is it 10?) foot sections and is galvanized, so it can be soldered (with enough heat).

I used a chunk some years ago for a 2M J-pole. I used a long 3/4 in. diameter piece as the upright, and a shorter piece of 1/2 in. diameter near the top as the short leg of the J. Stainless hose clamps held the coax to it until I found the right connection points, then I soldered it.

I'm looking for something inexpensive I can put up as a semi-permanent HF vertical. Any comments?

Dave

Dave Hinerman
WD8CIV@worldnet.att.net

Date: Wed, 5 Dec 2001 09:53:49 -0500
From: "Brice D. Hornback" <bdh@cyberbound.net>
To: <mikemo@attglobal.net>,
"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [113910] Re: 13.5 mhz crystals
Message-ID: <156401c17d9c\$a9ade2c0\$7001a8c0@lwrnc1.in.home.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Mike,

I just placed an order two days ago (I got some more of those AWESOME new Maxell AAA NiMH batteries for \$1 each to make some more tiny 12-volt packs and thought I had the crystals in the shopping cart. After I finished the order I realized they had vanished! So... I didn't get them ordered. I'd like a few to play with as well... If you find some... let me know. I don't really need 300 of them either.

72/73 DE KA8MAV (Brice)
Indianapolis, IN EM79au
QRPP-I #1, QRP ARCI #10972, QRP-L #2360, ARRL
KLQRP, FPQRP -156, ARS #1,138, NETXQRP #27
AOL Instant Messenger ID: ka8mav

QRPP International Radio Club
Tiny-Tornado Transceiver Kits
<http://www.QRPP-I.com>

----- Original Message -----

From: "Mike Maiorana" <mikemo@attglobal.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Wednesday, December 05, 2001 9:37 AM
Subject: 13.5 mhz crystals

> Does anyone who purchased the sack of 300 of these crystals want to sell
> me a handful? Or, I've got a few thousand Motorola MPS-A20 transistors
> (2n2222 2n3904'ish) if you want to trade for a bunch. I'd like some
> crystals to play with, but I really don't need 300 ;-)
> Thanks!
> Mike Maiorana, KU4QO
>

Date: Wed, 05 Dec 2001 09:52:00 -0500
From: Bruce Muscolino <w6toy@erols.com>
To: kd7s@psnw.com
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [113911] Re: Construction Articles Dwindling
Message-ID: <3C0E3490.99959D2B@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Bill,

CQ has not had any decent construction articles in years! QST has only recently started to run anything but power supplies and antenna tuners as construction articles again! The lack of construction articles comes from lack of submissions, parts availability and design interest! CQ has been a contesters' magazine for 20 or more years! If you want to see more construction articles, write some and submit them. I guarantee they will be read and published if they have wide enough appeal!

73

Date: Wed, 5 Dec 2001 10:00:49 -0500
From: W2AGN <w2agn@pobox.com>
To: qrp-l@lehigh.edu
Subject: [113912] Re: ARRL How much?
Message-ID: <0112051000490N.12206@njbirdman>
Content-Type: text/plain;
 charset="iso-8859-1"
MIME-Version: 1.0
Content-Transfer-Encoding: 8bit

On Wednesday 05 December 2001 08:59, you wrote:

> There you go again! I did not ask for any contribution to be made in my
> name. I resent your saying anything of the sort. I resent your
> "volunteering" to do something in my name! It is an embarrassment. You
> are trying to make it seem like I am a mean spirited old man, which I am
> not.

Uh, sorry, Bruce, but you are, and you are reinforcing that image with every post.

>You are sticking your nose in where it is not wanted nor
> required. Your action is as high handed as the League's "defense of
> frequencies" when all they are defending is your salary!

--

John L Sielke W2AGN
w2agn@pobox.com
<http://www.qsl.net/w2agn>

Date: Wed, 5 Dec 2001 10:17:44 -0500 (EST)
From: "Paul R. Valko" <prvalko@oakland.edu>
To: Bob Tellefsen <n6wg@earthlink.net>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [113913] Thursday Fox #2 - W8KC!
Message-ID: <Pine.OSF.4.21.0112051000480.6854-100000@saturn4.acs.oakland.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hello Everyone!

I have a lot of serious stuff going on this year but I'm still going to do my best to give out a couple of pelts along with my friend Bob on Thursday night.

Look for W8KC just below 7.040 starting at 0200 UTC Friday morning, that's THURSDAY evening here in the US, 9pm EST.

Listen for a sig report, I'm in Michigan, and the first personal (heard that term for NAME on the local 2M repeater last night) is Paul. I'll be running a QRP gallon, 5W from either an FT-817, or my trusty Corsair.

My antenna is a full wave 40M dipole. It's not quite on the ground, but close enough to make one duck whilst mowing the weeds.

Even though I have an "extra heavy" I am NOT a Chicken Fat Operator. Send over 20 WPM and I'll probably screw up your info. Send slow, send quality. Bugs, and anyone possessing a Great Lakes Swing, will be cheerfully ignored.

One year I gave out EIGHT pelts. No kidding, you can look it up. So if you think you are in for a Fox clean sweep... you may be in for a surprise! Heck, I may just pull out my 49er! BWAAAAAA HAHA HA HAH ! ! ! !

Go to work fellas!

73! =paul= W8KC
Collector of Ten*Tecs and other fine plastics.
Visit the Virtual Ten*Tec Museum at:
<<http://www.acs.oakland.edu/~prvalko>>

Date: Wed, 05 Dec 2001 09:16:54 -0600
From: David Gauding <david.gauding@bbs.galilei.com>

To: qrp-1@lehigh.edu
Cc: sslyon@megalink.net
Subject: [113914] Re: NF0R on 160m heard in Maine...
Message-ID: <5.1.0.14.0.20011205085831.00a63b20@bbs.galilei.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

GM Seab,

Hmmm! Very good ears at your end, that's for sure, in addition to decent propagation. I was running 5W last night.

My antenna was the 75' computer ribbon cable feedline for a St. Louis Doublet. It was suspended at 48' from a St. Louis Shaft and fed against ground.

Ground is my trusty 'porcelain radial', i.e. the cold water inlet for the basement commode! <g>

Was planning on adding the 88' flattop to the radiator this afternoon but should probably leave well-enough alone!

Thanks for the report!

de Dave, NF0R nf0r@slacc.com

At 11:39 PM 12/4/01 -0500, you wrote:

>and if it's any indication of the 160m prop condx tomorrow, we're in for a
>great time! Quite a few test runs heard from MD, VE2, W9, W8... some QRO
>"bottom feeders" being amazed at what 5 W can do

Date: Wed, 5 Dec 2001 10:17:58 EST
From: K5BDZ@aol.com
To: GQRP@yahooogroups.com, hqrp@stevens.com, qrp-1@lehigh.edu
Subject: [113915] Siltronix VFO parts values
Message-ID: <141.5c822b3.293f94a6@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Well, last weekend I took apart the flea market purchased Siltronix Model 90 VFO (made for CB) and found (no 10:1 verniers as I had originally hoped and erroneously reported) two (2) 6:1 Jackson Bros verniers, a high quality

variable cap with anti-backlash geared 2:1 ratio that measured 4.4 to 11.4 pF, a 1/4" splined adapter to the v-cap gears, as well as as standard VFO board (osc and buffer) and an "off board" ceramic coil form...then the usual transformer and other do-dads. No HFO circuit was used on this VFO - appeared straight through operation. Did not check the frequency as it would not be used anyway.

The large knobs are great (outer knob "fast turns" the vernier, the large inner knob is the "slow tune" main tuning knob.

Still a bargain if you can find one reasonable.
Bill K5BDZ

Date: Wed, 5 Dec 2001 08:25:34 -0700
From: "Rod N0RC" <rod@n0rc.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [113916] Fox Sandwich (reminder)
Message-ID: <001f01c17da1\$16c0b820\$15ebfea9@c919125b>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Folks,

Wed night ("sandwiched" between Fox hunt nights) be a "Radioactiveham" (TM)(C)(Patent applied for ;-) and work some psk-31 on 30m. The goal: WAS (or as many states as possible) with psk31 by the end of the FOX hunt season.

In the spirit of the ARRL DXCC-QRP announcement, you can "mine" your past PSK-31 contacts for credit on this activity. If you've been Radioactive on 30m PSK, you could be an instant winner!

No rules, dues or prizes just bragging rights and some fun RELAXED radio time.

No special time, anywhere between 0100-0300z. Come when you can leave when you have to.

73, Rod N0RC
Ft Collins, CO
Happy Holidays
73, Rod N0RC
Ft Collins, CO

Date: Wed, 05 Dec 2001 09:54:01 -0600
From: "Chuck Carpenter" <w5usj@globeco.net>
To: qrp-l@Lehigh.EDU
Subject: [113917] Poly Variables ??
Message-ID: <3.0.2.32.20011205095401.008792d0@mail.globeco.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Looking for source of Poly Cap variables like those used in the Emtech ZM-2.

The don't need to be identical values, just similar construction and size.

Thought Mouser had them but don't find them in their catalog any longer.

Any info greatly appreciated.

Chuck Carpenter, W5USJ, Point, Rains Co., TX - EM22cv, NETXQRP #1
QRP-ARCI #5422, QRP-L #1306, SOC #57, Six Club #201, SMIRK #6275
Zombie #759, QRPp-I #115, Visit NETXQRP Web Site: <http://www.netxqrp.org>

Date: Wed, 05 Dec 2001 09:56:56 -0600
From: "George, W5YR" <w5yr@att.net>
To: Dave Benson <nn1g@earthlink.net>
Cc: qrp-l@lehigh.edu
Subject: [113918] Re: KITS: Noise Bridge announcement
Message-ID: <3C0E43C8.8E0AE7B2@att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Thanks, Dave - sounds like an interesting introduction to noise bridges.

I built a similar affair many years ago, mounted in a large case with AB pot and variable cap, etc. It was a little bit of a chore to calibrate it, but it was useful for measuring complex Z. Of course, I had to write a small computer program to translate the dial readings into impedance, etc.

>From your description, the bridge will read from the pot position the resistive component of the impedance. The depth of the null will be determined by the cap trimmer and will be at a maximum when the trimmer is

correctly adjusted. In your design, evidently there will be no effort to evaluate the cap reading or position in terms of reactive component value or sign. This feature is easy to add although it poses a significant calibration problem.

As you have already figured out, generating the noise is no problem, but designing that trifilar winding affair is, if reasonable accuracy over a wide frequency range is required.

Good luck with the project, and thanks for the note!

72/73, George W5YR - the Yellow Rose of Texas QRP-L 1373 NETXQRP 6
Fairview, TX 30 mi NE of Dallas in Collin county EM13qe SOC 262
Amateur Radio W5YR, in the 56th year and it just keeps getting better!
Icom IC-756PRO #02121 Kachina #91900556 IC-765 #02437

Date: Wed, 5 Dec 2001 07:57:25 -0800
From: "DTX" <dtx@wood.tzo.com>
To: <qrp-l@lehigh.edu>
Subject: [113919] Re: cheep vertical
Message-ID: <005b01c17da5\$88e3f080\$0c00a8c0@home>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

No, but I have given some thought to using a 10ft piece of 1 or 1 1/4 inch PVC and spiral winding with copper tape. Maybe half a turn per inch? I figure with my luck I should be able to build something that would be resonant around 4.9 MHz <G> But if one did get it to work on a more useful frequency, then put the base into the side of a TEE fitting, run a dowel through the straight part, stake it firmly to the ground and after dark, when the antenna police have gone to bed....pull it vertical ;-) If it works, maybe automate it with a photo cell and a wench so that it goes up and down out of phase (double quadrature???) with the sun so that I could not forget and leave it up. They make their first round very early ;-)

Sometimes I feel it is a blessing in disguise that I do not have enough time to do everything I think of.

hihi,
Gary WA6DTX

----- Original Message -----
From: "David Hinerman" <WD8CIV@worldnet.att.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Sent: Wednesday, December 05, 2001 6:53 AM
Subject: cheep vertical

> Folks,
>
> Has anyone here ever used metal conduit for a vertical HF antenna? It
comes
> in 8 (or is it 10?) foot sections and is galvanized, so it can be soldered
> (with enough heat).
>
> I used a chunk some years ago for a 2M J-pole. I used a long 3/4 in.
> diameter piece as the upright, and a shorter piece of 1/2 in. diameter
near
> the top as the short leg of the J. Stainless hose clamps held the coax to
> it until I found the right connection points, then I soldered it.
>
> I'm looking for something inexpensive I can put up as a semi-permanent HF
> vertical. Any comments?
>
> Dave
>
> -----
> Dave Hinerman
> WD8CIV@worldnet.att.net
>
>

Date: Wed, 5 Dec 2001 11:14:32 -0500
From: "George Allgood" <w4gfa@jungleweb.net>
To: <qrp-1@Lehigh.EDU>
Subject: [113920] Re: cheep vertical
Message-ID: <000301c17da7\$ed4950e0\$f04c2d04@allgood>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi Dave

One of the best J-Pole antennas I have used was a two meter device
cut from "hard line" Coaxial cable. The wire has a metal jacket
that makes it quite rigid. A bit more expensive than the conduit
sections you mentioned, but you may have some of the hard line

already.

George W4GFA

Date: Wed, 5 Dec 2001 11:03:14 -0500
From: W2AGN <w2agn@pobox.com>
To: qrp-1@lehigh.edu, fpqrp-1@mpna.com
Subject: [113921] 160M Sprint
Message-ID: <0112051103140Q.12206@njbirdman>
Content-Type: text/plain;
 charset="iso-8859-1"
MIME-Version: 1.0
Content-Transfer-Encoding: 8bit

Well, hope conditions are good tonight, despite the fact that we are havinbg summer weather here in NJ. (70 deg today, forecast 72 tomorrow).

After careful consideration, I decided to run the K2 tonight. Antenna will be a halfwave. (The loop, with the switch at the far end open). I am going to try to try it both fed as a regular 1/2 wave with open wire, and with the feeders tied together, against ground. I am curious which will work out best.

Don't forget 1810 CW, 1910 SSB. Will probably start on CW, and maybe alternate hours with SSB.

See you on "The Gentleman's Band," tonight. (I am getting special permission to operate there one night ;-)

--

John L Sielke W2AGN
w2agn@pobox.com
<http://www.qsl.net/w2agn>

Date: Wed, 5 Dec 2001 11:14:07 -0500
From: "Mike Yetsko" <myetsko@insydesw.com>
To: <WD8CIV@worldnet.att.net>,
 "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [113922] Re: cheep vertical
Message-ID: <003101c17da7\$e1917020\$6501a8c0@INSYDENT>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Years ago I made an antenna from the stuff. I fed 75ohm TV cable up through a piece of the stuff, then put a 'cap' on it. I drilled the cap and put a 3/8-24 mount from RS, then put a 9' CB whip WITHOUT the coil spring. I just set it on a balcony.

Worked ok, but I didn't have anything to judge it 'against'.

Mike

----- Original Message -----

From: "David Hinerman" <WD8CIV@worldnet.att.net>

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Sent: Wednesday, December 05, 2001 9:53 AM

Subject: cheep vertical

> Folks,

>

> Has anyone here ever used metal conduit for a vertical HF antenna? It comes

> in 8 (or is it 10?) foot sections and is galvanized, so it can be soldered

> (with enough heat).

>

> I used a chunk some years ago for a 2M J-pole. I used a long 3/4 in.

> diameter piece as the upright, and a shorter piece of 1/2 in. diameter near

> the top as the short leg of the J. Stainless hose clamps held the coax to

> it until I found the right connection points, then I soldered it.

>

> I'm looking for something inexpensive I can put up as a semi-permanent HF

> vertical. Any comments?

>

> Dave

>

> -----

> Dave Hinerman

> WD8CIV@worldnet.att.net

>

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>

Date: Wed, 05 Dec 2001 10:22:29 -0500
From: Steve Sellmeyer <ss94239@alltel.net>
To: qrp-1@Lehigh.EDU
Subject: [113923] Re: FOX-Got him!
Message-ID: <3C0E3BB5.BBBC560@alltel.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Actually Tom, I think there were five of us total here in Lincoln, Ne.
that got him.

Steve/WB0QQT

Date: Wed, 05 Dec 2001 16:25:34
From: "Brad Hernlem" <alihernlem@hotmail.com>
To: qrp-1@lehigh.edu
Subject: [113924] Re: KITS: Noise Bridge announcement (Question)
Message-ID: <F58x3AkwtSQtQoPAzd000135bf@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

Question:

I have seen different noise bridge designs with either the balance arm pot
and cap in series or parallel (the unknown arm fixed cap was either in
series or parallel, respectively). Is there any advantage or drawback to
selecting either design?

Brad KG6IOE

Get your FREE download of MSN Explorer at <http://explorer.msn.com/intl.asp>

Date: Wed, 5 Dec 2001 11:27:52 -0500
From: "Lee Mairs" <lmairs@cox.rr.com>
To: <dtx@wood.tzo.com>,
"Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [113925] Re: cheep vertical
Message-ID: <001901c17da9\$c9a89c20\$6501a8c0@cox.rr.com>

MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

>...If it works, maybe automate it with a photo cell and an wench so that it
goes up
> and down ...

Hey! This is a family group...

Date: Wed, 5 Dec 2001 11:29:09 -0500
From: "Brian" <brian@iquest.net>
To: <kd7s@psnw.com>,
"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [113926] Re: Construction Articles Dwindling
Message-ID: <001901c17da9\$f7e54f70\$3d05080a@cincom.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

That's a good point, I wonder if construction article submissions are down?
I know several hams have said (talk is cheap afterall) they'd like to send
in a construction article but QST requires a PCBoard layout for build-it
articles. I don't know if this is true. I think this disuades Manhattan
guru's from submitting.

Brice's Tiny Tornado may just be the spark that renews interest in QRPP, it
has a board, it has an interesting history, and I think it would be a fun
construction article for QST. Maybe he'll write this up??

I don't know if Ed is privvy to the amount of construction submission sent
to QST. I'd even be interested in a book of "Articles we got but didn't
print" put out by the league.

----- Original Message -----
From: "Bill Jones" <kd7s@psnw.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Wednesday, December 05, 2001 9:34 AM
Subject: Construction Articles Dwindling

> I dropped by my local library on my lunch hour yesterday and picked up the

> December, 2001 issue of CQ magazine. I was disappointed to see absolutely
> no construction articles anywhere. This morning, just for the fun of it I
> picked up my December, 2001 issue of QST and checked the annual index. I
> counted sixteen construction articles for the year. Then I went to the
> December, 1996 QST and counted twenty-four construction articles. There
was
> a whopping 33% decrease in the past five years alone. Sad, for sure.
> =====
> Bill Jones -- KD7S -- <><
> Our job is to love others
> without stopping to inquire
> whether or not they are worthy
> =====
>
>
>

Date: Wed, 5 Dec 2001 11:22:33 -0800
From: "Dave Benson" <nn1g@earthlink.net>
To: <w5yr@att.net>,
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [113927] Re: KITS: Noise Bridge announcement
Message-ID: <001901c17dc2\$31ee1ae0\$f5e3d73f@pavilion>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

George-

>>-----Original Message-----
From: George, W5YR <w5yr@att.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Date: Wednesday, December 05, 2001 7:58 AM
Subject: Re: KITS: Noise Bridge announcement

Thanks, Dave - sounds like an interesting introduction to noise bridges.

I built a similar affair many years ago, mounted in a large case with AB
pot and variable cap, etc. It was a little bit of a chore to calibrate it,
but it was useful for measuring complex Z. Of course, I had to write a
small computer program to translate the dial readings into impedance, etc.

>From your description, the bridge will read from the pot position the

resistive component of the impedance. The depth of the null will be determined by the cap trimmer and will be at a maximum when the trimmer is correctly adjusted. In your design, evidently there will be no effort to evaluate the cap reading or position in terms of reactive component value or sign. This feature is easy to add although it poses a significant calibration problem.

<<

For the application I'd mentioned (a trap), the actual settings on the resistive and capacitive trimmers don't matter- it's sufficient to adjust them both for a deep null. The information you're looking for is the frequency at which this null occurs.

You're absolutely right- calibrating a noise bridge to make it onto a piece of impedance-measuring gear is a somewhat more arduous task. This is where the phrase "left as an exercise for the reader" leaps to mind. In the interest of avoiding parts acquisition problems, I've kept it as simple as possible and hope to see other QRP-L contributors pick it up and run with it.

>>As you have already figured out, generating the noise is no problem, but designing that trifilar winding affair is, if reasonable accuracy over a wide frequency range is required.

<<

No problem indeed, at least over the application range intended for this bridge. At 1.8 Mhz, the unbalanced output reads 'S9+20dB' and at 30 Mhz, 'S8'. Plenty of signal to work with. As to balance, the trifilar itself is pretty repeatable- it uses a trio of *solid* color-coded ribbon wire (thanks to Dave Gauding, NF0R) for his generous contribution of this item) and layout is well-controlled. To the extent that balance is an issue, we'd be back to the words "arduous" and "calibration". A spreadsheet would indeed be a useful calibration tool to make the jump to 'instrument-grade'.

73- Dave

Date: Wed, 5 Dec 2001 11:24:57 -0800
From: "Dave Benson" <nn1g@earthlink.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [113928] Re: Construction Articles Dwindling
Message-ID: <002f01c17dc2\$87a43e60\$f5e3d73f@pavilion>

MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Bruce brings up a very good point. Steve Ford at ARRL recently published a short article in QST which provided a wealth of good information about authoring for them. Interesting reading, and a measure of their ongoing need for good material!

Articles which are submitted and accepted for print publication typically (although not always) follow one of two paths. The QST articles will be those which are of wide interest. If they're a construction article, the editors want to be sure that item is reproducible. They have an interest in seeing builders assured of a good chance of success, rather than being frustrated by parts unavailability. The second path is through QEX, and this publication caters more toward designers and developers. As a matter of 'style', QEX assumes a somewhat different audience and is less concerned about 'enticing' builders into construction projects or into a new aspect of the hobby. [There are exceptions, of course- the recent spectrum-analyzer design in QST (Wes Hayward and Terry White) was probably not widely reproduced but remains a significant contribution to our hobby.]

To paraphrase - "they can't print what they don't have!". This reflector is a fertile breeding-ground for a *lot* of good projects, and sometimes it's a matter of being willing to take the leap of faith to share it with a wider audience.

73- Dave, K1SWL
"Good luck, and remember... we're all counting on you."

-----Original Message-----

From: Bruce Muscolino <w6toy@erols.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Date: Wednesday, December 05, 2001 6:56 AM
Subject: Re: Construction Articles Dwindling

Bill,

CQ has not had any decent construction articles in years! QST has only recently started to run anything but power supplies and antenna tuners as construction articles again! The lack of construction articles comes from lack of submissions, parts availability and design interest! CQ has been a contesters' magazine for 20 or more years! If you want to see more construction articles, write some and submit them. I guarantee

they will be read and published if they have wide enough appeal!

73

Date: Wed, 5 Dec 2001 09:47:04 -0700 (MST)
From: "Karl F. Larsen" <k5di@zianet.com>
To: Bill Jones <kd7s@psnw.com>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [113929] Re: Construction Articles Dwindling
Message-ID: <Pine.LNX.4.33.0112050941001.1654-100000@cannac.fun>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi Bill well there are fewer but sure enough to keep us out of bars this winter! I am building the 2N2 of 1998 because a friend has one and all the data can be had from the designer's web page. It is a real good sounding receiver with LOTS of volume, and the only flaw is a 3 watt transmitter. I plan to replace the 3 2n2222's in the final with 1 Radio Shack FET that will make about 10 watts that I can turn down to 5 watts.

This construction data can be found at www.qsl.net/k8iqy and it's a real good winter Fox rig.

On Wed, 5 Dec 2001, Bill Jones wrote:

> I dropped by my local library on my lunch hour yesterday and picked up the
> December, 2001 issue of CQ magazine. I was disappointed to see absolutely
> no construction articles anywhere. This morning, just for the fun of it I
> picked up my December, 2001 issue of QST and checked the annual index. I
> counted sixteen construction articles for the year. Then I went to the
> December, 1996 QST and counted twenty-four construction articles. There was
> a whopping 33% decrease in the past five years alone. Sad, for sure.

> =====

> Bill Jones -- KD7S -- <><

> Our job is to love others

> without stopping to inquire

> whether or not they are worthy

> =====

>

>

>

--

Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -
<http://www.zianet.com/k5di/>

Date: Wed, 5 Dec 2001 11:46:32 -0500
From: "Lee Mairs" <lmairs@cox.rr.com>
To: "qrpl" <qrpl@lehigh.edu>
Subject: [113930] Re: Construction Articles Dwindling
Message-ID: <004f01c17dac\$66aac8c0\$6501a8c0@cox.rr.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I was looking thru my "73" magazine the other day, and I was struck with the same thought. Wayne used to end his column on page 73 if I remember correctly. NOT even that many pages anymore. Remember the old days when 73 was thick and Ham Radio was 100% construction articles? Now I do sound like an old fart...

73 de Lee, km4yy

Society is in every state a blessing, but Government, even in its best state, is but a necessary evil; in its worse state, an intolerable one.

--Thomas Paine, Common Sense

----- Original Message -----

From: "Brian" <brian@iquest.net>
To: "Low Power Amateur Radio Discussion" <qrpl@Lehigh.EDU>
Sent: Wednesday, December 05, 2001 11:29 AM
Subject: Re: Construction Articles Dwindling

> That's a good point, I wonder if construction article submissions are down?
> I know several hams have said (talk is cheap afterall) they'd like to send
> in a construction article but QST requires a PCBoard layout for build-it
> articles. I don't know if this is true. I think this disuades Manhattan
> guru's from submitting.
>
> Brice's Tiny Tornado may just be the spark that renews interest in QRPP,
it
> has a board, it has an interesting history, and I think it would be a fun
> construction article for QST. Maybe he'll write this up??

>
> I don't know if Ed is privvy to the amount of construction submission sent
> to QST. I'd even be interested in a book of "Articles we got but didn't
> print" put out by the league.

>
>
> ----- Original Message -----
> From: "Bill Jones" <kd7s@psnw.com>
> To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
> Sent: Wednesday, December 05, 2001 9:34 AM
> Subject: Construction Articles Dwindling

>
>
> > I dropped by my local library on my lunch hour yesterday and picked up
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> > December, 2001 issue of CQ magazine. I was disappointed to see
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> > Bill Jones -- KD7S -- <><
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> > whether or not they are worthy
> > =====
> >
> >
> >
>

Date: Wed, 05 Dec 2001 11:50:35 -0500
From: David Hinerman <WD8CIV@worldnet.att.net>
To: qrp-1@lehigh.edu
Subject: [113931] Re: cheep vertical
Message-ID: <5.1.0.14.1.20011205114830.00a74990@ipostoffice.worldnet.att.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

At 10:25 AM 12/5/2001 -0500, you wrote:

>I just bought some of this pipe last night to pound into the ground to mount
>my new Hustler BTV4 vertical antenna. only a 4' section though. How would you
>ever mount something this heavy as a vertical? Love to see what kind of
>responses you get.

The stuff I'm thinking of isn't all that heavy - certainly not heavy enough
to support a 4BTV. I had a 5BTV years ago, and I mounted it to a piece of
TV mast pounded in the ground. Is your pieced swaged on one end so it'll
fit into another piece?

Dave

Dave Hinerman
WD8CIV@worldnet.att.net

Date: Wed, 5 Dec 2001 11:50:22 -0500 (EST)
From: George Gingell <k3tks@u1.abs.net>
To: QRP List <qrp-l@Lehigh.EDU>
Cc: G-QRP Club E-mail Reflector <gqrp@onelist.com>
Subject: [113932] QRP Quarterly Journal
Message-ID: <20011205111910.J15964-100000@u1.abs.net>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

This is a note to advise all QRP ARCI Members that the October 2001 QRP
Quarterly Journal has been printed and Mailed to All Current Subscribers.

With the Current Mail Delays, it May be another Week before all have
received their copy. Mark Milburn, KQ0I, The Secretary/Treasurer and
Membership Chairman has his name on the regular mailing list to track when
the issues should have arrived. He has not received his copy yet.

If you wish to Renew your Subscription or Join the Club, you can Do it via
the Internet at the Club Website. <<http://www.qrparci.org/us2signup.html>>
You can pay via PayPal.

You may also Pay by Check/Money Order to "QRP ARCI" and mail it along with
your Application Information.

TO: QRP ARCI - Mark Milburn, KQ0I
117 E. Philip Street
Des Moines, IA 50315-4114

Although I do handle Back issues orders and Replacement Services for QRP ARCI, I do not have the DataBase of Subscribers. If you have any Questions about your Membership Subscription Status, They Must Go thru "Mark R. Milburn" <KQ0I@arrl.net>.

TIPS:

1. Use the Online Member Lookup feature to keep track of your membership status - Check <<http://www.qrparci.org/lookup.html>>
2. Is your data file now incorrect? Use online form to send info to our database manager: <<http://www.qrparci.org/>>

SPECIAL NOTICE ! The QRP ARCI QRP Quarterly Journal Year Sets are Currently Available thru me for \$ 30.00 per Year Set (Postpaid US/CA). DX will be (\$ 40.00 Postpaid).

I might add that JAN & APR 2001 are in very limited Supply. We will ONLY SELL THEM IN YEAR SETS.

LAST CHANCE for the QRP Collectors Set !!!

I also have one BIG SET of 29 Issues which will be Offered at \$ 150.00 (POSTPAID).

It includes 1993 #2 & #4, 1995 #2,#3,#4, and all year sets 1996 thru 2001.

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OR Payment may be made via "PayPal" to George D. Gingell, K3TKS

<k3tks@abs.net> <<https://secure.paypal.x.com/refer/pal=k3tks%40abs.net>>

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Year Set Purchased During December. If not needed, you may Give them as a
Gift to a Friend for Christmas.

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72 ES

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Collector of Quartz Crystals and Telegraph Keys.

"72" = "Wishing You Good QRP" (C) 1991 Oleg Borodin, RV3GM

Date: Wed, 05 Dec 2001 08:45:24 -0500
From: Somerville <somerville@uniserve.com>
To: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [113933] [Elmer 101] Regulated Pwr Supply Caps
Message-ID: <3C0E24F3.4F955E06@uniserve.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

C112 must have a different function than C102 based on their respective values. Am I correct in assuming that C112 is a smoothing capacitor and that C102 functions as an AC by-pass? Is C112 Electrolytic only because of its relatively high value? I presume Dave did calculations for X_c based on some assumed f , (60 Hz?), or are such values based on rules of thumb? Since the 78L08 has a specific design mission why would the manufacturer not include C112 and C102 in the device?

As you can see my ignorance is vast, my number of questions about the power supply has exceeded the number of components thereof.

Regards John/VE7CFG

Date: Wed, 5 Dec 2001 11:54:37 -0500
From: "Brian" <brian@iquest.net>
To: <k3tks@u1.abs.net>,
"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [113934] Re: QRP Quarterly Journal
Message-ID: <000b01c17dad\$86ea70d0\$3d05080a@cincom.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

FYI...mine hit New Whiteland Indiana a week ago today. As usual, a masterpiece. Craig has been an outstanding editor the last year!

----- Original Message -----

From: "George Gingell" <k3tks@u1.abs.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Wednesday, December 05, 2001 11:50 AM
Subject: QRP Quarterly Journal

> This is a note to advise all QRP ARCI Members that the October 2001 QRP
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(15)
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> Sir George, The First :^}
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> 72 ES
> QRP DX TU (C) 1986, G. "Danny" Gingell, K3TKS@ abs.net
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>
> "72" = "Wishing You Good QRP" (C) 1991 Oleg Borodin, RV3GM
>
>
>

Date: Wed, 5 Dec 2001 09:43:51 +0100
From: "Juanjo Pastor" <ec5aca@wanadoo.es>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [113935] RE: [OT] Direct effects from Off Topic subjects ad nauseum
Message-ID: <00a601c17daf\$2927af60\$0c03253e@fer>

MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 8bit

Hello to everybody from Spain.

Being subscribed since 1999 has taught me to live with the off topic posts. My way to manage them, besides the delete key, is the use of filters, especially the OT filter. I send them to a OT folder and have a look on the subjects, then I usually select most of them and delete them with a single key stroke!. I read the ones containing "not" in the subject (they will be filtered away, too). As I usually delete most of the posts received after a short peek on the contents, I usually delete all the messages filtered to the OT folder. But this only works if you mark the OT messages with that nice OT marker in the subject... This also works with the Elmer posts, HB posts, FS posts, Nils' posts and so on. By the way, I am using Outlook Express, I also used Eudora previously. Hope this helps somebody.

73, 72 de Juanjo, EA5CHQ-EC5ACA. EA-QRP #104, G-QRP #9742,
QRP-L #1662.

Juanjo Pastor
C/San Roque, 4-1
46460 Silla
SPAIN

e-mail: ea5chq@wanadoo.es
Tel.: +034 96 120 17 67
Movil: 651 35 35 11

>On Tue, 04 December 2001, Jim Larsen AL7FS wrote:
>
>>
>> Greetings from Alaska,
>> I am slightly less inclined to encourage people to sign up for
QRP-L if
>> the postings don't stay on topic. The Off Topic (OT) posts seem to
go
>> on ad nauseum and can only be beaten down for a short period of
time
>> before they pop up again.
>>
>> Let's all do better in the future. Please?
>>
>> 73, Jim

>

Date: Wed, 05 Dec 2001 12:29:38 -0500
From: Alex <kr1st@amsat.org>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [113936] Re: Construction Articles Dwindling
Message-ID: <3C0E5982.C2592A68@amsat.org>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii
Content-transfer-encoding: 7bit

Bruce Muscolino wrote:

>

> Bill,

>

> CQ has not had any decent construction articles in years!

I guess that depends a bit on what you expect and what your interest is. I know of at least two things that I built from QST in the past year and a half. Those were a Moxon rectangle for 2 meter (which works excellent for satellite coms) and the W2FS KISS Mode TNC, both very good articles. I build more things but can't remember where I read about them.

> The lack of construction articles comes
> from lack of submissions,

Exactly. The ARRL recognized this so they now offer \$60 per page if your article gets published.

> parts availability

That's an excellent point! I've seen quite a few articles (mainly on the web) which require 1 or two parts I'm supposed to pick up at a flea market or hamfest or from a bottomless junk box. I don't have a junk box (yet) and neither is a hamfest available in my area when I need one.

I think the ARRL does select articles on parts availability, but I'm not sure. I've done only one very simple project so far that comes close to a construction publication and I made sure that all parts were available at a local RS.

> and design interest!

And perhaps the readers are also not as keen on construction anymore. I

just read last night, on a different mailing list where you would expect technical inclined and innovative people, a post from someone who called adding 1 DC blocking cap and two resistors for an attenuator a "mess" which would make the device that needed unsuitable. That's almost sad.

73s,
--Alex

Date: Wed, 05 Dec 2001 12:28:22 -0500
From: David Hinerman <WD8CIV@worldnet.att.net>
To: qrp-l@lehigh.edu
Subject: [113937] Re: Construction Articles Dwindling
Message-ID: <5.1.0.14.1.20011205115916.00a75750@ipostoffice.worldnet.att.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

At 11:29 AM 12/5/2001 -0500, you wrote:

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>I know several hams have said (talk is cheap afterall) they'd like to send
>in a construction article but QST requires a PCBoard layout for build-it
>articles. I don't know if this is true. I think this dissuades Manhattan
>guru's from submitting.

Brian,

'Tain't necessarily so. I've skimmed over the QST Author's Guide at <http://www.arrl.org/qst/aguide/> and I don't see any mention of -requiring- a PC board layout. I've read similar guides for other 'tronics hobby magazines, and I don't recall any that require a layout. Many may offer to put you in touch with a PC house like FAR Circuits so they can add the "boards available at..." blurb at the end of the article, but it's not usually a requirement.

Think about this - a LOT more hobbyists have access to the materials and skills to do ugly or Manhattan construction, than can etch a PC board. I think articles that show construction of a useful circuit without resorting to specialty chemicals, laser printers, UV exposure frames, etc. would actually have a wider appeal. As Dave Benson pointed out, QST construction articles are selected for a wide audience and need to give the reader a good chance to succeed at building the device. The average Joesephine with average hand tools and a nearby Radio Shack has a better shot at getting a Manhattan project working than she does with a PC board layout.

In fact, I think an article on Manhattan construction would probably make a good piece by itself. I avoided experimentation for a long time because I

hated laying out and etching a board for a circuit I wasn't even sure would work. The Manhattan technique opens a lot of doors to experimentation - maybe that will encourage more people to write construction articles again? "It seems to us..."(tm) that an educational article on a useful technique has a lot of value because it encourages further experimentation, unlike a solder-by-numbers construction article. The best articles (IMNSHO) combine both - education and the endorphin rush of a project successfully completed.

>I don't know if Ed is privvy to the amount of construction submission sent
>to QST. I'd even be interested in a book of "Articles we got but didn't
>print" put out by the league.

Typically in the magazine business articles that are rejected remain the property of the author. ARRL/QST would either have to purchase the articles or convince the authors to "donate" the publication rights in order to make such a book. (Or Web site - hint, hint!)

But I'd love to see some of the "rejects" too.

Dave

Dave Hinerman
WD8CIV@worldnet.att.net

Date: Wed, 5 Dec 2001 09:26:38 -0800
From: "Alan Kaul" <alan.kaul@worldnet.att.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [113938] Construction Articles Not Necessarily Dwindling
Message-ID: <002c01c17db2\$00906bc0\$af25cd18@charterpipeline.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Dwindling in CQ or QST -- but not necessarily dwindling.

One reason why fewer construction articles are found in the pages of QST and CQ is there are so many other GOOD publishing alternatives for the author.

QRP ARCI, Norcal, NJ QRP, etc., have siphoned off some of the better construction projects.

And a lot of hams who aren't sending submissions to magazines are self-publishing on internet websites. There are plenty of www-places to visit, where you can go and find articles on building dozens of projects. (Of course, where QST and CQ and Norcal, etc., insist on testing and replicating prototypes, a lot of the internet construction projects aren't necessarily replaceable).

Overall, there are probably MORE construction articles than ever before -- you just don't find them in the same old places.

Alan Kaul, W6RCL, LaCanada, CA
w6rcl@amsat.org
<http://home.att.net/~alan.kaul/index.html>

Date: Wed, 05 Dec 2001 12:37:05 -0500
From: "Tim A. King Jr." <iflyos@hotmail.com>
To: qrp-l@Lehigh.EDU
Subject: [113939] 10 meter j-pole
Message-ID: <F119SmLAztxc1o8yfog0001e7de@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

Anyone got the numbers handy for a 10 meter J-pole? Getting ready for the 10m contest, and need a omni antenna to back up the 6 element mono, 4 element mono, TH3, and the 2 elemnt delta loop.....

(Man I love contesting at the YL's house!!!)

73,

Tim A. King, Jr.
KG4MQD
Safety Officer, Hobby Park R/C Aircraft Club
Winston Salem, NC
AMA# 578668
QRPp International #11

Albert Einstein, when asked to describe radio, replied:

"You see, wire telegraph is a kind of a very, very long cat. You pull his tail in New York and his head is meowing in Los Angeles. Do you understand this? And radio operates exactly the same way: you send signals here, they receive them there. The only difference is that there is no cat."
Albert Einstein (1879-1955)

Get your FREE download of MSN Explorer at <http://explorer.msn.com/intl.asp>

Date: Wed, 5 Dec 2001 12:41:07 -0500
From: "Tom Tishken KD4W0V" <kd4wov@earthlink.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [113940] RE: Construction Articles Not Necessarily Dwindling (a suggestion)
Message-ID: <MBBBKJCFDGAJAEEFGLAPGENJCAAA.kd4wov@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Maybe we should petition those who write projects to get them published in QST and CQ?

-----Original Message-----

From: owner-qrp-l@Lehigh.EDU [mailto:owner-qrp-l@Lehigh.EDU] On Behalf Of Alan Kaul
Sent: Wednesday, December 05, 2001 12:27 PM
To: Low Power Amateur Radio Discussion
Subject: Construction Articles Not Necessarily Dwindling

Dwindling in CQ or QST -- but not necessarily dwindling.

One reason why fewer construction articles are found in the pages of QST and CQ is there are so many other GOOD publishing alternatives for the author.

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Overall, there are probably MORE construction articles than ever before --
you
just don't find them in the same old places.

Alan Kaul, W6RCL, LaCanada, CA
w6rcl@amsat.org
<http://home.att.net/~alan.kaul/index.html>

Date: Wed, 5 Dec 2001 12:50:04 -0500
From: "Upton, Shawn" <SUpton@ALLEGROMICRO.com>
To: "'qrp-l@lehigh.edu'" <qrp-l@lehigh.edu>
Subject: [113941] Re: KITS: Noise Bridge announcement
Message-ID: <E1F0152638DBD311AEF700D0B74455E23BFF66@exchange_nh.allegromicro.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"

Dave, quick question on this guy--is it protected for the case of,
accidental transmitting? I have a TenTec noise bridge, and the instructions
go to the point of informing you what parts will need replacing if you
accidently tx with the unit inline.

Shawn Upton, KB1CKT
Product Development Engineer - Sensors
Allegro MicroSystems, Inc
Concord, NH
603.228.5533 ext. 429

Date: Wed, 5 Dec 2001 10:51:12 -0700
From: "Francis Callahan" <colcal@srv.net>
To: <WD8CIV@worldnet.att.net>,
 "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [113942] Re: cheep vertical
Message-ID: <001801c17db5\$6eea83a0\$89db070c@callahan>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Years ago my elmer used different sizes of conduit or pipe simular to it and

nested one section inside another and used hose clamps to keep it from sliding all the way inside of each other and just measured out what he needed for each band and marked them with different colored paint and it worked really well on his motor home 72 Cal KF7ET misplaced Vermonter in Idaho

----- Original Message -----

From: "David Hinerman" <WD8CIV@worldnet.att.net>

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Sent: Wednesday, December 05, 2001 7:53 AM

Subject: cheep vertical

> Folks,

>

> Has anyone here ever used metal conduit for a vertical HF antenna? It comes
> in 8 (or is it 10?) foot sections and is galvanized, so it can be soldered
> (with enough heat).

>

> I used a chunk some years ago for a 2M J-pole. I used a long 3/4 in.
> diameter piece as the upright, and a shorter piece of 1/2 in. diameter near
> the top as the short leg of the J. Stainless hose clamps held the coax to
> it until I found the right connection points, then I soldered it.

>

> I'm looking for something inexpensive I can put up as a semi-permanent HF
> vertical. Any comments?

>

> Dave

>

> -----

> Dave Hinerman

> WD8CIV@worldnet.att.net

>

Date: Wed, 05 Dec 2001 11:57:41 -0600

From: "Chuck Carpenter" <w5usj@globeco.net>

To: qrp-l@Lehigh.EDU

Subject: [113943] Re: Poly Variables [FOUND]

Message-ID: <3.0.2.32.20011205115741.0087cb40@mail.globeco.net>

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

Emtech has them. Available from their web page, I'm told.

Thanks to all...

Chuck Carpenter, W5USJ, Point, Rains Co., TX - EM22cv, NETXQRP #1
QRP-ARCI #5422, QRP-L #1306, SOC #57, Six Club #201, SMIRK #6275
Zombie #759, QRPp-I #115, Visit NETXQRP Web Site: <http://www.netxqrp.org>

Date: Wed, 05 Dec 2001 17:59:27
From: "Brad Hernlem" <alihernlem@hotmail.com>
To: qrp-l@lehigh.edu
Subject: [113944] Re: KITS: Noise Bridge announcement (Question)
Message-ID: <F61GcFxrPg3mHOVShLd00004f47@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

See, for example, the following two types:

<http://dj4br.virtualave.net/rauschbr.htm>

http://krasnodar.online.ru/hamradio/ftp/noise_bridge.pdf

(I didn't know that ARRL published articles in Cyrillic. :-)

Get your FREE download of MSN Explorer at <http://explorer.msn.com/intl.asp>

Date: Wed, 5 Dec 2001 13:04:08 -5
From: "Bill Kelsey - N8ET - Kanga US" <kanga@bright.net>
To: qrp-l@Lehigh.EDU
Subject: [113945] Re: Construction Articles Dwindling
Message-ID: <200112051803.fB5I3LTQ028862@rhombus.bright.net>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

PC boards are not required for projects published in QST. For example, see the article by W7ZOI and W7PUA on Simple RF Power Measurement in June 2001 QST on page 38. No PC boards was done for that Project. I supply a kit of parts for the meter, and no board comes with the kit - the builder is encouraged to "ugly construct" the instrument.

I do think that QST does prefer projects that use parts that are commonly available rather than pieces a lucky few can find at a hamfest under a table....

73 - Bill - N8ET
Kanga US
kanga@bright.net
<http://www.bright.net/~kanga/>
419-423-4604

Date: Wed, 05 Dec 2001 13:11:32 -0500
From: Bruce Muscolino <w6toy@erols.com>
To: dtx@wood.tzo.com
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [113946] Re: cheep vertical
Message-ID: <3C0E6354.5C486946@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Your helically wound vertical will work as long as you also provide it with a good RF ground. Good FR grounding is more important to a vertical than most anything.

The dimensions can easily be worked out. Use the old rule of winding twice the length of wire that you would normally use for the same application. If you were building a vertical (quarter wave) for 40 meters, you would use 33.5 feet of wire. Wind 67 feet of wire on the form and it should resonate somewhere close to 7 MHz. You will have to trim and prune after you get it together, but it will act as a decent vertical.

The bandwidth will be small, so plan on using a tuner for frequency excursions of more than about 20 kHz! Actually if you use a tuner,. you may not have to prune or trim the antenna!

Feeding the antenna may present a problem though because the feedpoint impedance will be on the order of 2 ohms rather than 37 ohms! Some sort of base matching network will be required. They are not hard to build, just be sure to keep losses to a minimum.

I've built many helically wound dipoles over the years and have found they work very well. Lots better than I expected! I don't doubt a vertical would work as well.

73

Date: Wed, 05 Dec 2001 12:03:13 -0500

From: Steven Weber <kd1jv@moose.ncia.net>
To: qrp-l@lehigh.edu
Subject: [113947] Re: Construction Articles Dwindling
Message-ID: <3.0.6.32.20011205120313.00793940@mailhost.ncia.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

>a whopping 33% decrease in the past five years alone. Sad, for sure.

I think there all showing up in QRPP, QRP HB and QQ instead :-)

72,
Steve, KD1JV
"Melt Solder"
White Mountians of New Hampshire
<http://www.qsl.net/kd1jv/>

Date: Wed, 05 Dec 2001 12:00:37 -0500
From: Steven Weber <kd1jv@moose.ncia.net>
To: WD8CIV@worldnet.att.net
Cc: qrp-l@lehigh.edu
Subject: [113948] Re: cheep vertical
Message-ID: <3.0.6.32.20011205120037.0079ebd0@mailhost.ncia.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

>
>Has anyone here ever used metal conduit for a vertical HF antenna?

I made a 10M vertical with a 1/2", 10 ft length of conduit cut down to eight foot something, a 10 ft PVC "mast" and wire radials. Was a quick, easy and cheap antenna to put up. Worked FB with the HTX-100 at the tail end of the last sun spot cycle, worked lots of DX with it.

OTOH, 3/4" copper hot water heater pipe is pretty cheap too. It would be real easy to solder two 10 foot lengths together to make a 20 foot vertical and 30 feet wouldn't be out of the question. You would probably want to put a couple feet of wooden dowel through the pipe, on either side of the coupler to stiffen it up though. Being copper, it would probabaly work beter than steel pipe and be lighter too. I don't think it would be significantly more expensive than conduit.

72,

Steve, KD1JV
"Melt Solder"
White Mountians of New Hampshire
<http://www.qsl.net/kd1jv/>

Date: Wed, 05 Dec 2001 13:18:14 -0500
From: Bruce Muscolino <w6toy@erols.com>
To: brian@iquest.net
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [113949] Re: Construction Articles Dwindling
Message-ID: <3C0E64E6.F7842846@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I don't know whether a PC board is a requirement for publication but it does improve the project's chances of having a wider appeal. In the case of the 2N2 what you are selling is the construction technique, not the product's performance. You are trying ot show that the technique has wide application to construction of all types.

Doug DeMaw did an article on breadboarding techniques that became the series "First Steps in Radio: back in the 80's. He used a slightly different technique than Manhattan construction but the thrust was generally the same. He presented LAYOUTS and finished boards but not PC boards!

If you want to see such an article, the way to get there is to ask the editor of eh magazine what he will accept, and then write it to fit!

73

Date: Wed, 05 Dec 2001 13:27:17 -0500
From: David Hinerman <WD8CIV@worldnet.att.net>
To: qrp-l@lehigh.edu
Subject: [113950] Re: cheep vertical
Message-ID: <5.1.0.14.1.20011205132624.00a74ec0@ipostoffice.worldnet.att.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

At 12:37 PM 12/5/2001 -0500, you wrote:

>While I have not used conduit for a vertical, I have used it for a
>rotatable dipole for 15 meters. It has the disadvantage that it rusts

>easily, weight more than aluminum tubing, and does not have the strength
>of aluminum tubing. If you provide adequate guys I don't see why it
>wouldn't work. I would use some sort of paint to resist rusting!

Bruce,

Thanks - but I need it to come down eventually so I can replace it. (Grin)

Dave

Dave Hinerman
WD8CIV@worldnet.att.net

Date: Wed, 05 Dec 2001 13:32:16 -0500
From: Bruce Muscolino <w6toy@erols.com>
To: alan.kaul@worldnet.att.net
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [113951] Re: Construction Articles Not Necessarily Dwindling
Message-ID: <3C0E6830.DBA1DF0A@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I tend to disagree about other publications siphoning off articles. The smaller magazines, like QRPP or QQ are specialist magazines with circulation of less than a couple of thousand. Also they don't pay for articles they accept and publish.

Authors who continuously submit to them are not receiving the coverage they might receive with QST or other large circulation magazine! No author will ever get rich writing for a hobby magazine unless he has two or three articles published each month! But he will recover the cost of parts and some of his troubles. His reputation will also grow.

The old adage of "you get what you pay for" applies here. IF you write for a small hobby magazine you may be known by 2000 of your closest friends but your resume will not grow much. If you write for QST or CQ or even World Radio your reputation will grow further and faster!

73

Date: Wed, 05 Dec 2001 13:39:35 -0500
From: Bruce Muscolino <w6toy@erols.com>
To: kr1st@amsat.org
Cc: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Subject: [113952] Re: Construction Articles Dwindling
Message-ID: <3C0E69E7.C378EC55@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Alex,

>
> I know of at least two things that I built from QST in the past year and
> a half. Those were a Moxon rectangle for 2 meter (which works excellent
> for satellite coms) and the W2FS KISS Mode TNC, both very good articles.
> I build more things but can't remember where I read about them.

>
As with any ham, your choice of projects depends on your interests! One
of eh problems an editor must face is accurately gauging reader
interest!

?
> Exactly. The ARRL recognized this so they now offer \$60 per page if your
> article gets published.

>
The League has paid \$60 per page or part of a page for a long time.
Other magazines also pay, WorldRadio pays \$30.00 per page, 73 used to
pay, CQ has never paid. Foreign magazines also pay quite well.

>
> That's an excellent point! I've seen quite a few articles (mainly on the
> web) which require 1 or two parts I'm supposed to pick up at a flea
> market or hamfest or from a bottomless junk box.

>
If you can't go out and buy the parts no one will build it! Doug DeMaw
started it back in 1976 with the Tuna Tin 2. If anyone here reads the
original article, one of his design premises was readily available parts
from Radio Shack! And yes, QST did several articles on parts
availability in the 70's and 80's!

73

Date: Wed, 5 Dec 2001 10:43:14 -0800
From: "Kory Hamzeh" <kory@avatar.com>
To: <dtx@wood.tzo.com>,
"Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [113953] RE: cheep vertical

Message-ID: <000a01c17dbc\$b2d03e00\$14ce21c7@avatar.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hey Gary,

Why don't you just run a wire from the top of the PVC pipe to the bottom. No real reason to use copper tape or anything, unless you're trying to load the antenna. I did this once with a 20 foot pole and four radials and had a blast one afternoon.

73,
Kory
AC6RN

> -----Original Message-----
> From: owner-qrp-1@Lehigh.EDU [mailto:owner-qrp-1@Lehigh.EDU]On Behalf Of
> DTX
> Sent: Wednesday, December 05, 2001 7:57 AM
> To: Low Power Amateur Radio Discussion
> Subject: Re: cheep vertical
>
>
> No, but I have given some thought to using a 10ft piece of 1 or 1 1/4 inch
> PVC and spiral winding with copper tape. Maybe half a turn per inch? I
> figure with my luck I should be able to build something that would be
> resonant around 4.9 MHz <G> But if one did get it to work on a
> more useful
> frequency, then put the base into the side of a TEE fitting, run a dowel
> through the straight part, stake it firmly to the ground and after dark,
> when the antenna police have gone to bed....pull it vertical ;-) If it
> works, maybe automate it with a photo cell and an wench so that it goes up
> and down out of phase (double quadrature???) with the sun so that I could
> not forget and leave it up. They make their first round very early ;-)
>
> Sometimes I feel it is a blessing in disguise that I do not have
> enough time
> to do everything I think of.
>
> hihi,
> Gary WA6DTX
>
> ----- Original Message -----
> From: "David Hinerman" <WD8CIV@worldnet.att.net>
> To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

> Sent: Wednesday, December 05, 2001 6:53 AM
> Subject: cheep vertical
>
>
> > Folks,
> >
> > Has anyone here ever used metal conduit for a vertical HF antenna? It
> comes
> > in 8 (or is it 10?) foot sections and is galvanized, so it can
> be soldered
> > (with enough heat).
> >
> > I used a chunk some years ago for a 2M J-pole. I used a long 3/4 in.
> > diameter piece as the upright, and a shorter piece of 1/2 in. diameter
> near
> > the top as the short leg of the J. Stainless hose clamps held
> the coax to
> > it until I found the right connection points, then I soldered it.
> >
> > I'm looking for something inexpensive I can put up as a
> semi-permanent HF
> > vertical. Any comments?
> >
> > Dave
> >

Date: Wed, 05 Dec 2001 13:43:09 -0500
From: Pete Burbank <plburbank@kih.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [113954] Re: cheep vertical
Message-ID: <5.0.2.1.0.20011205131728.00ac2cb0@KIH.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

>SNIP
>
>I'm looking for something inexpensive I can put up as a semi-permanent HF
>vertical. Any comments?
>
>Dave
>
>-----
>Dave Hinerman
>WD8CIV@worldnet.att.net

>

Dave and Gang,
If there is a military surplus place near to you, see if they have any of the aluminum tent pole sections. They fit together nicely and make for a really strong vertical. Some have "grabber fingers" inside so with a bit of twisting you can break through the oxide layer or if you want to be more elaborate, a small "Flap" sander in a drill motor will clean the inside. A mixture of graphite and silicon grease (like Dow Corning DC-4) at each section will prevent further oxidation and lasts for years.
Another good source of material is the screw together window washing devices.
73 Pete NV4V

Date: Wed, 5 Dec 2001 13:48:29 -0500
From: "Nils R. Young" <nilsbull@juno.com>
To: QRP-L@lehigh.edu
Subject: [113955] Six meters, MFSK & the politics of experience redubbed
Message-ID: <20011205.134841.1172.0.nilsbull@juno.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Y'all,

Well, it took me two days & some intervention from my co-workers, but I now have the same mic hose on the 6m FT690R as I have on the K2, SG2020 & TR7. This means that all my microphones will work on any of my radios & any of my radios will hose up to the interface box that I built to play PC-digital modes with.

I'm gonna try PSK or MFSK on 6m maybe this weekend or something. Only problem is that the ARRL HF Digital Handbook, what I just bough for near \$18, ain't got nawthin' in it about VHF digital stuff. HF, of course, means I shouldn't expect to find it there, but I had such high hopes when they were first born & I was younger. But them days is over, I guess, so I'm left here alone with all these badgers to feed.

I guess what I'm lookin' for is someone in the Dayton area who's on 6m with digital stuff, or someone who knows where them digital ditzes hang out on 6m so I can sit & listen to the sound of ions bouncing around all day until someone comes up on just that stretch of the spectrum that I'm

tuned to.

And did I mention the antenna is some wire stapled to the ceiling?

I'm also concerned about the Martians, what will all this ACK-ACK, NAK-NAK goin' on. I guess I better get that country-and-western album out what gramma used to listen to.

73

Nils

somepeople don't get sigs . . .

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<http://dl.www.juno.com/get/web/>.

Date: Wed, 5 Dec 2001 13:38:44 -0800

From: "Dave Benson" <nn1g@earthlink.net>

To: <qrp-l@lehigh.edu>

Subject: [113956] Re: Construction Articles ...

Message-ID: <003001c17dd5\$37aa53a0\$a152d03f@pavilion>

MIME-Version: 1.0

Content-Type: text/plain;
charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Alan-

That's quite true- there are many more avenues for publication than there used to be. At the same time, though, it's possible to carry forward the work being done in our QRP journals into the 'mainstream'. A recent example would be the 'Warbler' transceiver article in last March's QST. As the saying goes, "You saw it here first!"

/ If you're an author who's concerned that previous publication in a club journal will diminish your chances of having an article accepted, it's not necessarily an issue. The folks best qualified to decide that will be the ones you're submitting the article to, and they're pretty mellow about that aspect of it. :-)

Oh yeah- and you get to be famous. <g>.

73- Dave

-----Original Message-----

From: Alan Kaul <alan.kaul@worldnet.att.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Date: Wednesday, December 05, 2001 9:30 AM
Subject: Construction Articles Not Necessarily Dwindling

Dwindling in CQ or QST -- but not necessarily dwindling.

One reason why fewer construction articles are found in the pages of QST and CQ is there are so many other GOOD publishing alternatives for the author.

QRP ARCI, Norcal, NJ QRP, etc., have siphoned off some of the better construction projects.

And a lot of hams who aren't sending submissions to magazines are self-publishing on internet websites. There are plenty of www-places to visit, where you can go and find articles on building dozens of projects. (Of course, where QST and CQ and Norcal, etc., insist on testing and replicating prototypes, a lot of the internet construction projects aren't necessarily replaceable).

Overall, there are probably MORE construction articles than ever before -- you just don't find them in the same old places.

Alan Kaul, W6RCL, LaCanada, CA
w6rcl@amsat.org
<http://home.att.net/~alan.kaul/index.html>

Date: Wed, 05 Dec 2001 14:03:23 -0500
From: David Hinerman <WD8CIV@worldnet.att.net>
To: qrp-l@lehigh.edu
Subject: [113957] Re: Construction Articles ...
Message-ID: <5.1.0.14.1.20011205140108.00a722e0@ipostoffice.worldnet.att.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

At 01:38 PM 12/5/2001 -0800, you wrote:

>If you're an author who's concerned that previous publication in a club
>journal will diminish your chances of having an article accepted, it's not
>necessarily an issue. The folks best qualified to decide that will be the
>ones you're submitting the article to, and they're pretty mellow about that
>aspect of it. :-)

>

>Oh yeah- and you get to be famous. <g>.

Dave,

The only kick that came close to seeing my article in print was seeing it
referenced as a footnote to someone else's article.

Publish an article, you're an author. Get it footnoted, you're an authority!

Dave

Dave Hinerman
WD8CIV@worldnet.att.net

Date: Wed, 5 Dec 2001 14:20:13 EST
From: Drbob92031@aol.com
To: qrp-1@lehigh.edu
Subject: [113958] Re: cheep vertical
Message-ID: <122.8911178.293fcd6d@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Hi Dave;

I have done just that; a cheap vertical for 20 m. I made 2. One from conduit
(cheap; but heavy) the second was made from aluminum tubing (cheaper because
I had it "around")

The trick is to piece out the length of vertical you require and mating them
together. Not a problem once I figured it out. If interested e-mail me.

PS. I worked the world with the back yard vert. with about 6 radials
72/73 de WA2EAW ..Bob

Date: Wed, 05 Dec 2001 13:55:58 -0500
From: Steven Weber <kd1jv@moose.ncia.net>

To: somerville@uniserve.com
Cc: qrp-1@lehigh.edu
Subject: [113959] Re: [Elmer 101] Regulated Pwr Supply Caps
Message-ID: <3.0.6.32.20011205135558.00797270@mailhost.ncia.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

>rules of thumb? Since the 78L08 has a specific design mission why
>would the manufacturer not include C112 and C102 in the device?
>

Large value caps are impossible to implement on silicon, so if they are needed, they are always required externally. Caps built into chips can be only a few picofarads at best.

It is always good engineering practice to put a large value electrolytic cap on the DC supply, some where on the board. The value isn't too critical, 100 to 470 ufd is typical. This "stiffens" up the supply to prevent motor boating in the audio stages and low frequency oscillations in the transmitter. A well filtered / regulated DC supply is still needed to power the board. C112 is not intended for power supply filtering, even though C112 and D13 do form a basic rectifier / filter circuit. I suppose one could power the board direct from a 9 to 12 volt AC transformer and it would work, but you'd have to keep the transmit power turned way down and it isn't recommended.

0.1 ufd caps are sprinkled around the circuits for RF bypassing.

72,
Steve, KD1JV
"Melt Solder"
White Mountains of New Hampshire
<http://www.qsl.net/kd1jv/>

Date: Wed, 5 Dec 2001 14:42:24 -0500 (EST)
From: Stephan Greene <sgreene@patriot.net>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [113960] Write Something! Re: Construction Articles ...
Message-ID: <Pine.LNX.4.10.10112051430500.32021-100000@tzion.greene.lan>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Wed, 5 Dec 2001, David Hinerman wrote:

> Publish an article, you're an author. Get it footnoted, you're an authority!

And it lasts a long time - I wrote up some tips and explanations of how AO-27 operates. They were used (with permission) in the ARRL Satellite Anthology (so I'm published and referenced and got a copy of the book, too!). AO-27 was launched in 1993. 8 years later (over 7 since I had anything to do with the project) I *still* get emails from my fans.

It doesn't even have to be a "classic" electronic circuit with PC-board and pre-programmed PIC from FAR|the author construction article. HOW-TOs, portable antennas from Home Depot parts, hints, kinks, simple rig modifications or enhancements, operating aids.... write it up and submit it to someone.

Getting into QST, QEX, 73, CQ, or WR is probably harder. But the smaller pubs and the regional and club-level newsletters are probably starved for material. And there's always the web.

Sometimes all you have to do is ask the editor - As an engineering undergrad student, I complained once to the Student Programs director about the lack of student-written articles in the professional society's student-oriented journal. By the end of the conversation, I had an assignment and a deadline to write something. (Yes, it was published)

72 & 73, Steve KA1LM

Stephan A. Greene sgreene@patriot.net ka1lm@amsat.org
Herndon, VA 1-703-654-6032 office 1-571-233-1194 cell

Date: Wed, 05 Dec 2001 19:51:04 +0000
From: alan.kaul@att.net
To: w6toy@erols.com
Cc: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [113961] Re: Construction Articles Not Necessarily Dwindling
Message-ID:
<20011205195110.PKJX941.mtiwmhc22.worldnet.att.net@webmail.worldnet.att.net>

Bruce wrote:

>I tend to disagree about other publications siphoning
off articles. The smaller magazines, like QRPp or QQ
are specialist magazines with circulation of less than a
couple of thousand. Also they don't pay for articles
they accept and publish.<

Bruce, I think you are erroneously jumping to conclusions about the importance of being published in a large circulation magazine. Your leap about the compensation paid to the authors isn't necessarily valid either.

Now if you would have said the editors of QST cannot twist arms as well as Norcal's Doug Hendricks, I might have believed you.

Bigger is not always better. Being paid is not always more satisfying than working for free. If that were true, having bigger circulation and getting paid for writing articles probably would lead to MORE articles being published, not fewer!

Don't take my word for it --- think about what's happened in the last 5-7 years. If the small publications and internet sites aren't siphoning off articles, then why are many of the best construction project writeups (for example, the Norcal 40, SST, Cascade, 38 Special, BLT, 2N2, etc.,) appearing elsewhere first INSTEAD of in the pages of QST and CQ?

Interestingly, the WARBLER 80M PSK rig appeared on the NJ QRP website LONG BEFORE it appeared in QST. That suggests to me that the editors of QST recognized an emerging trend: that good construction articles were being published by someone else FIRST and that if QST wanted them available for the magazine, they had to arrange for REPRINT RIGHTS.

Best 72/73 de alan

--

Alan Kaul W6RCL e-mail:
w6rcl@amsat.org
[http://worldnet.att.net/~alan.kaul/
index.html](http://worldnet.att.net/~alan.kaul/index.html)

Date: Wed, 5 Dec 2001 14:57:13 -0500 (EST)
From: Chris Cartwright <ccart@phideaux.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [113962] cheap vertical

Message-ID: <Pine.LNX.4.21.0112051418540.12905-1000000@dns.phideaux.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I've been hoping to put one together for a while now, but my work schedule has just been too hectic. It started as a "quickie" mast (30-50ft) so I can tell you that it is possible to raise 1/2" EMT tubing (conduit) to 50'. But you have to do it one piece at a time, with guy lines. I have a bunch of bent up tubing that proves you can't build it laying on the ground, and pull it all up a once like my 45' military masts.

As for nesting, you can drive 1/2" copper copper into the 1/2" EMT, (it just fits) but the two will never come apart again. Been playing around with some 3/4" copper which fits "sloppy" over 1/2" EMT. (I'm trying to figure out how to do swaging on the cheap). But this would give you the ability to take it apart and be portable, assuming you can move 10' pieces of tubing around. With the addition of a few washers, tent pegs and some poly bailing twine, you have a 30-50' mast for less than \$1 a foot. It can be put up in about 1/2 and hour, with a little practice.

With the incorporation of some PVC pipe, wire radials, loading and matching coils It should make a decent vertical for most of the low bands. Turning the "mast" into an "antenna" is the part I have to do the most work on. George N2APB was after me to do an article, and this may be it :)

cya es 72

-- Chris Cartwright, Unix Administrator | ccart@phideaux.com --
-- N3XRV ARRL-VE Norcal Zombie #163 | Oxford, PA 19363 FM29as --
-- MDmW #5 NJ-QRP #105 QRP-L #655 NORCAL #1891 FISTS #5028 QRP-ARCI #9271 --

Date: Wed, 5 Dec 2001 20:01:07 -0000
From: "Ted Williams" <ted@g0u11.fsnet.co.uk>
To: "QRP-L" <qrp-l@lehigh.edu>
Subject: [113963] Re: [Elmer 101] NPO
Message-ID: <012c01c17dc7\$a481860\$0100000a@duon800>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi Folks:

I think the 'NPzero' is a way of pointing out that the temperature coefficient can be a little bit positive or negative, depending on their luck with the materials used in aiming for a zero temperature coefficient.

The dielectric is a mix of ingredients, and getting a spot-on balance between the positive and the negative elements in the mix is very difficult.

In practice, I've always taken coils as having a positive temperature coefficient, and the mica capacitor has a negative (and stable) coefficient which was a good match.

However, this was in the days before the common use of toroids, and I wouldn't mind an update on their temperature coefficients.

72 Ted G0ULL

Date: Wed, 05 Dec 2001 20:06:45 +0000 (GMT)
From: J.Bennett@lboro.ac.uk
To: qrp-l@lehigh.edu
Subject: [113964] QRP Quarterly
Message-ID: <1007582805.3c0e7e553253b@staff-webmail.lboro.ac.uk>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 8bit

Hi Guys's

Just for information, my copy arrived today. Looks like a good weekend read.

72,

Jack
G3PVG

Date: Wed, 5 Dec 2001 15:20:51 -0500
From: "John Dorson" <jdorson@Worldshare.net>
To: "QRP-L" <qrp-l@Lehigh.EDU>
Subject: [113965] Loop Success
Message-ID: <004c01c17dca\$5b2e20a0\$66679c40@atwork>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Well gang I just finished my newest loop and had my first contact with it sitting in our picnic table on the back deck. It was even less than 12" from my umbrella with its' metal pole. Worked Atlanta, GA from Melbourne Beach, FL

on 20 meters and the band was not in top condition, running 5 watts. The loop is 24" in diameter and covers 13.5 to 30.5 MHz.

Not bad for the first contact.

John K2JHU...

jdorson@worldshare.net

Date: Wed, 5 Dec 2001 15:24:47 -0500

From: "Mike Yetsko" <myetsko@insydesw.com>

To: <ccart@phideaux.com>,

"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: [113966] Re: cheap vertical

Message-ID: <002101c17dca\$e798c860\$6501a8c0@INSYDENT>

MIME-Version: 1.0

Content-Type: text/plain;

charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

If pipes 'telescope' freely but snugly, Use a hacksaw to cut from the end in about 2 or 3 inches, making two slots, one each 'side' of the pipe 180 degrees from each other. Slide the smaller pipe in, and then use a radiator hose clamp to 'pinch' the pipe onto the smaller one.

You can use 'muffler' style clamps, even without cutting the slots, but these tend to make a fairly permanent deformation to metal and even to some plastics and you won't easily get it apart.

With the slot, and the radiator clamps, you can loosen it up and slide the pipe easily in and out. Just make sure to 'waterproof' the joint with electrical tape (I get rolls of the 2" wide stuff) otherwise water can get in via the slit.

Just make sure there is a significant length of pipe 'inside' the 'non-split' portion of the outer pipe, as mechanical strength is SERIOUSLY reduced at the splits. You're using the split area STRICTLY for in and out control, not to handle bending or flexing!
Mike

> As for nesting, you can drive 1/2" copper pipe into the 1/2" EMT,

> (it just fits) but the two will never come apart again. Been playing
> around with some 3/4" copper which fits "sloppy" over 1/2" EMT.
> (I'm trying to figure out how to do swaging on the cheap). But this
> would give you the ability to take it apart and be portable, assuming
> you can move 10' pieces of tubing around.
>
> -- Chris Cartwright, Unix Administrator | ccart@phideaux.com

Date: Wed, 05 Dec 2001 15:10:24 -0500
From: "John P. Cummins, Sr." <jpcummins@charter.net>
To: qrp-l <qrp-l@lehigh.edu>, noga <nogaqrp@qth.net>
Subject: [113967] NoGa Compendium in time for Xmas
Message-ID: <3C0E7F30.F5052015@charter.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=iso-8859-1
Content-Transfer-Encoding: 8bit

Something new from NoGa, The North Georgia QRP Club.

The "NoGa Compendium Volume 1".

This is a 117 page publication of all of the many NoGa projects complete with parts lists, assembly instructions, schematics, tips and errata.

The 13 projects (in the case 13 is a lucky number) include:

NOGA/Georgia Cracker 80M Transmitter
The NOGAnaut A Y2K Ready Amateur Radio Transmitter
The NoGaPiG - NOGA Power Indicator Guard
The PGR80 A Pretty Good Receiver for 80 meters
The Georgia Sierra
The NOGAWatt
W3IRZ 12-Volt Regenerative Receiver
Converting the MRX-40 to 80-Meters
The NOGA Twin Tube 80
AFA for the Georgia Sierra
The Little Thirty TERD
Revisiting the Resonant Feed-line Dipole
Converting the SMK-1 Transceiver to Superhet

All of these projects are presented in a professionally prepared document in a spiral bound manual so that the pages will lie flat when you are in a building mood.

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Send your orders to:

The North Georgia QRP Club
P.O. Box 173
Grayson, GA 30017

Inquiries to: jpcummins@charter.net

Pickett, AD4S

Date: Wed, 5 Dec 2001 15:45:48 -0500 (EST)
From: n2go@arrl.net
To: qrp-l@Lehigh.EDU
Subject: [113968] one-touch-tune
Message-ID: <Pine.LNX.4.21.0112051543540.4810-1000000@valhalla.v>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I recall seeing a gizmo that works with a FT817 and Z11 tuner. How does it work?

73,

Jim n2go

Date: Wed, 5 Dec 2001 15:34:03 -0500
From: dmaliniak@penton.com
To: qrp-l@Lehigh.EDU
Subject: [113969] Re: Construction Articles Dwindling
Message-ID: <0F75ED0657.9F46ED07-0N85256B19.0070E1E7@penton.com>
MIME-Version: 1.0
Content-type: text/plain; charset=us-ascii

Bruce, you posted this to Bill Jones:

Bill,

(snip) If you want to see
more construction articles, write some and submit them. I guarantee
they will be read and published if they have wide enough appeal!

I'd just like to point something out that no one else has... Bill's probably too
modest
to do it himself... but he's written a pile of construction articles. He's done
more than
his share. He may have started this thread but he doesn't deserve very much of the
blame for what he observes.

72,
David, AD2A
Glen Rock, NJ

Date: Wed, 5 Dec 2001 15:36:43 -0500
From: W2AGN <w2agn@pobox.com>
To: n2go@arrl.net, qrp-l@lehigh.edu
Subject: [113970] Re: one-touch-tune
Message-ID: <0112051536430U.12206@njbirdman>
Content-Type: text/plain;
 charset="iso-8859-1"
MIME-Version: 1.0
Content-Transfer-Encoding: 8bit

On Wednesday 05 December 2001 15:45, you wrote:

> I recall seeing a gizmo that works with a FT817 and Z11 tuner. How does it
> work?

>
> 73,
>
> Jim n2go

--

Jim,

Check out:

<http://www.w4rt.com/html/main.html>

John L Sielke W2AGN
w2agn@pobox.com

<http://www.qsl.net/w2agn>

Date: Wed, 05 Dec 2001 15:29:26 -0500
From: "John P. Cummins, Sr." <jpcummins@charter.net>
To: qrp-l <qrp-l@lehigh.edu>
Subject: [113971] NoGa Compendium
Message-ID: <3C0E83A6.4DF7EC35@charter.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=iso-8859-1
Content-Transfer-Encoding: 8bit

Please make your checks out to"

North Georgia QRP Club

Thanks

Pickett, AD4S

[illegible]

Something new from NoGa, The North Georgia QRP Club.

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The NoGaPiG - NOGA Power Indicator Guard
The PGR80 A Pretty Good Receiver for 80 meters
The Georgia Sierra
The NOGAWatt
W3IRZ 12-Volt Regenerative Receiver
Converting the MRX-40 to 80-Meters
The NOGA Twin Tube 80
AFA for the Georgia Sierra
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Converting the SMK-1 Transceiver to Superhet

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Send your orders to:

The North Georgia QRP Club
P.O. Box 173
Grayson, GA 30017

Inquiries to: jpcummins@charter.net

Pickett, AD4S

Date: Wed, 5 Dec 2001 15:52:46 -0500
From: "Mike Yetsko" <myetsko@insydesw.com>
To: <w2agn@pobox.com>, <n2go@arrl.net>,
"Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [113972] Re: one-touch-tune
Message-ID: <008701c17dce\$dbd3a460\$6501a8c0@INSYDENT>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I think he asked how it worked. I don't really think he wanted to see an ad for it.

In the case of the 817, I believe the 'box' has a PIC or something equivalent in it that just sends a command to transmit. Probably changes mode to CW too so it can generate a steady carrier. Overall, it probably reads the radio state. Changes and controls the radio. And after tune, puts back the radio state.

But I think I know where he's coming from, as there were some other rigs that had similar devices to facilitate tuning, and in some cases they were not much more than a few passive parts and a connector. But in the case of the 817, the indications are it's an active and fairly complex (ok, a PIC isn't really complex, but it can do complex things) device.

Mike

> > I recall seeing a gizmo that works with a FT817 and Z11 tuner. How
does it
> > work?
> >
> > Jim n2go
>
> Check out:
>
> <http://www.w4rt.com/html/main.html>
>
> John L Sielke W2AGN

Date: Wed, 5 Dec 2001 12:53:14 -0800
From: "Kory Hamzeh" <kory@avatar.com>
To: <dmaliniak@penton.com>,
"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [113973] RE: Construction Articles Dwindling
Message-ID: <000f01c17dce\$dbaa7180\$14ce21c7@avatar.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

> -----Original Message-----
> From: owner-qrp-l@Lehigh.EDU [mailto:owner-qrp-l@Lehigh.EDU]On Behalf Of
> dmaliniak@penton.com
> Sent: Wednesday, December 05, 2001 12:34 PM
> To: Low Power Amateur Radio Discussion
> Subject: Re: Construction Articles Dwindling
>
>
> Bruce, you posted this to Bill Jones:
>
> Bill,
> (snip) If you want to see
> more construction articles, write some and submit them. I guarantee
> they will be read and published if they have wide enough appeal!
>

> I'd just like to point something out that no one else has...
> Bill's probably too modest
> to do it himself... but he's written a pile of construction
> articles. He's done more than
> his share. He may have started this thread but he doesn't deserve
> very much of the
> blame for what he observes.
>
> 72,
> David, AD2A
> Glen Rock, NJ
>

Thank you, David.

Date: Wed, 05 Dec 2001 16:07:39 -0500
From: Alex <kr1st@amsat.org>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [113974] Re: Magnetic loop
Message-ID: <3C0E8C9B.96C43F57@amsat.org>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii
Content-transfer-encoding: 7bit

Hi Steve,

Steve Yates - AA5TB wrote:

> I have found that just about any capacitor with a dielectric other than air or
> vacuum to be too lossy for small "magnetic" loop applications.

I think I'm finding that out now too. I made a high voltage cap from a piece of double sided PCB. That was even worse than the coax capacitor. There was a fixed capacitor design either in the ARRL Antenna Handbook or in the one by Rothammel that used two F-shaped (or E) PCB structures. That would make a nice HV air capacitor.

> Put a little more power to your loop and you
> will quickly see where the losses are :-) I may have mentioned to you that I
once
> used coax as a fixed capacitor for a small 20m loop and after resonance drifting
> due to RF heating (losses) the exposed end caught on fire!

Ouch! The highest power I tested it on was 40 Watts, and nothing happened. Well, visually that is. I didn't check if anything got warm,

which is what I should've done. I cut the braid off about half an inch from the end to make sure that there was enough air gap between the braid and the conductor to prevent sparking.

73s,
--Alex

Date: Wed, 5 Dec 2001 16:29:55 -0500 (EST)
From: n2go@arrl.net
To: Mike Yetsko <myetsko@insydesw.com>
Cc: w2agn@pobox.com,
Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [113975] Re: one-touch-tune
Message-ID: <Pine.LNX.4.21.0112051617360.4916-100000@valhalla.v>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I was thinking that it might be something along the line of a ALC voltage that could be used to attenuate the signal. I did things a little backwards. I built a z-11 tuner. Then I bought a cw filter. Then I bought a FT817 :)

Before I turned on the Yaesu, I put the cw filter in. Dave Fifields site was helpful in that regard.

The website for the one touch tune(tm) makes mention of a microprocessor. I guess the rig has to be in a tune position. I will have to look for the manual. I haven't transmitted with the rig yet.

I must have taken the manual out of the box and laid it down somewhere in my things/articles to read pile(s). I used the rig to receive some FM stations and WWV since I only could come up with a 5 foot piece of wire for an antenna. I was hoping to have an antenna up before the snow flies. I have a couple rigs that really need to be tested and used. That DSW-40 is just calling out from the shelf :))

There hasn't been any in the Buffalo area yet. That is peculiar. It is about 65F today. It would make a lot of sense to put up an antenna now.....

73,

Jim n2go

Date: Wed, 05 Dec 2001 16:12:53 -0500
From: John Harper AE5X <ae5x@qsl.net>
To: QRP-L <qrp-l@lehigh.edu>
Subject: [113976] Re: cheap vertical
Message-ID: <000301c17dd1\$9ac01140\$835dbc18@johnharp>
MIME-version: 1.0
Content-type: text/plain; charset=iso-8859-1
Content-transfer-encoding: 7BIT

I used three 10-foot sections from Radio Shack for a 40m vertical. I drilled holes into the part where sections overlapped and screwed sheet metal screws into the holes to ensure a good electrical connection between sections. Then I used a hose clamp to fasten a 4' whip to the top section to make up the rest of the length required to resonate the antenna on the CW portion of the band. The whole thing then sat on a glass Coke bottle and was guyed with nylon cord at the 20' level. It worked great with eight 1/4-wave radials.

John Harper AE5X
Outdoor QRP & Lowband DXing: <http://www.qsl.net/ae5x>

Date: Wed, 5 Dec 2001 15:15:24 -0600
From: "Rob Matherly" <kc0bom@arrl.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [113977] Re: Construction Articles Dwindling
Message-ID: <00d401c17dd1\$f6753d80\$3711a541@intern01>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

There have been quite a few construction articles in CQ here in the last year or so. With the exception of the December issue, there are usually at least one or two little one tube qrp rigs. Sure, you won't find any articles featuring 150 watt transmitters or 1500 w amplifiers, but I would imagine that's to be expected with the way ham radio is getting dumbed down these days.

72/73/oo
Rob, kc0bom
FP Qrp -330; Live-Wire #442; IA QRP #143; SOC #497; QRPP #19

Visit my website! <http://www.qsl.net/kc0bom/hamradio>

----- Original Message -----

From: Bruce Muscolino <w6toy@erols.com>

To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>

Sent: Wednesday, December 05, 2001 8:52 AM

Subject: Re: Construction Articles Dwindling

Bill,

CQ has not had any decent construction articles in years! QST has only recently started to run anything but power supplies and antenna tuners as construction articles again! The lack of construction articles comes from lack of submissions, parts availability and design interest! CQ has been a contesters' magazine for 20 or more years! If you want to see more construction articles, write some and submit them. I guarantee they will be read and published if they have wide enough appeal!

73

Date: Wed, 5 Dec 2001 16:30:11 -0500

From: "Mike Yetsko" <myetsko@insydesw.com>

To: <kc0bom@arrl.net>,

"Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Subject: [113978] Re: Construction Articles Dwindling

Message-ID: <00d601c17dd4\$0afee420\$6501a8c0@INSYDENT>

MIME-Version: 1.0

Content-Type: text/plain;

charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

> but I would
> imagine that's to be expected with the way ham radio is getting
> dumbed down these days.
>
> Rob, kc0bom

Oh PLEASE!!!!

Date: Wed, 5 Dec 2001 16:20:00 -0800
From: "Dave Benson" <nn1g@earthlink.net>
To: <SUpton@ALLEGROMICRO.com>
Cc: <qrp-1@lehigh.edu>
Subject: [113979] Re: KITS: Noise Bridge announcement
Message-ID: <002801c17deb\$bf4f0ce0\$4a51d03f@pavilion>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Shawn-

No, it isn't. In the spirit of 'keeping up with the Joneses', though, it sounds like the instructions will need to carry that information. BTW- I have a different commercially-made noise bridge, and it doesn't have that protection feature either.

73- Dave

-----Original Message-----

From: Upton, Shawn <SUpton@ALLEGROMICRO.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Date: Wednesday, December 05, 2001 9:48 AM
Subject: Re: KITS: Noise Bridge announcement

Dave, quick question on this guy--is it protected for the case of, accidental transmitting? I have a TenTec noise bridge, and the instructions go to the point of informing you what parts will need replacing if you accidently tx with the unit inline.

Shawn Upton, KB1CKT
Product Development Engineer - Sensors
Allegro MicroSystems, Inc
Concord, NH
603.228.5533 ext. 429

Date: Wed, 5 Dec 2001 16:40:35 -0500
From: W2AGN <w2agn@pobox.com>
To: n2go@arrl.net, Mike Yetsko <myetsko@insydesw.com>
Cc: w2agn@pobox.com,
Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [113980] Re: one-touch-tune
Message-ID: <0112051640350V.12206@njbirdman>
Content-Type: text/plain;
charset="iso-8859-1"
MIME-Version: 1.0
Content-Transfer-Encoding: 8bit

On Wednesday 05 December 2001 16:29, n2go@arrl.net wrote:

> I was thinking that it might be something along the line of a ALC voltage
> that could be used to attenuate the signal. I did things a little
> backwards. I built a z-11 tuner. Then I bought a cw filter. Then I bought
> a FT817 :)

--

If you check out the URL I sent, it takes you to a place you can even download the manual (in .pdf format) for the One touch tune. Although Mike seems to think my reply was superfluous, I think all the info you want is there.

John L Sielke W2AGN
w2agn@pobox.com
<http://www.qsl.net/w2agn>

Date: Wed, 05 Dec 2001 16:53:53 -0500
From: Bruce Muscolino <w6toy@erols.com>
To: sgreene@patriot.net
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [113981] Re: Write Something! Re: Construction Articles ...
Message-ID: <3C0E9771.2A81F974@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hmmm, in 1995 I had an article published in QST on an antenna. In 1996 it was reprinted by the League in a handbook for new operators. I did receive 3 copies of QST and a check for the article; I had to buy my own copy of the book. I guess times change!

Date: Wed, 5 Dec 2001 17:09:33 -0500
From: "Tom Pennebaker" <n4rs@netpath-rc.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [113982] Cheap Vertical
Message-ID: <002501c17dd9\$86279200\$062a1bce@pavilion>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I have a full 5/8 vertical on 40 meters. It's about the same size in diameter as aluminum irrigation pipe. I understand this stuff can be had very reasonable. It develops pin holes from sand and eventually becomes useless as irrigation pipe. I'm sure there are farmers/ranchers that have this laying around and would be glad to get rid of it.....Tom N4RS

Date: Wed, 05 Dec 2001 16:11:13 -0600
From: Vance Huntsinger <vhuntsinger@iwic.net>
To: qrp-l@Lehigh.EDU
Subject: [113983] OT (somewhat): Strange QRM summary
Message-ID: <4.2.0.58.20011205160219.00ad6280@mail.iwic.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

I received a number of replies about the QRM I experienced on the 30 meter band last night. Several fellow hams from around the country heard the same thing. An Australian ham heard repeating dits in the same general frequency range, but I think that was something else. Several respondents reminded me that we hams share the band as secondary users. I'm aware of that, but merely wondered with whom or what we were sharing at that particular time. I was not aware that a legitimate service would blanket a 21 KHz slice of the band all at once.

Still wondering.

72,
Vance-WA9YDJ

Date: Wed, 05 Dec 2001 17:11:07 -0500
From: Bruce Muscolino <w6toy@erols.com>

To: alan.kaul@att.net
Cc: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Subject: [113984] Re: Construction Articles Not Necessarily Dwindling
Message-ID: <3C0E9B7B.C8B0BDEE@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Alan,

Bigger is not necessarily better. I agree with that premise, but...

Club magazines cater to club members. The audience is smaller than a larger general interest magazine. Westways is a nice travel magazine, it is no Life magazine though!

There are several rewards that come from having an article published. One is the ego reward that says "someone thought I was good enough to publish". There are others.

I'll grant you that Doug can be persuasive. His magazine's life depends on it. I wonder what his backlog of unpublished articles is. Compare this to QST, or CQ, or even 73! They don't have to beat the bushes, people submit material all the time.

Consider also, the editorial process. Would you rather read something that has had minimal editorial input from anyone or something that has been seen by several PROFESSIONAL editors? The League, at least, maintains a group of technical editors who are as good as any. They read and pass on every article. Do any of the club magazines do that?

While publication in a club magazine is nice, publication in QST is better. If your article is not accepted by QST, it is usually because of one of the following reasons. Lack of interest to a larger audience (send it to a club magazine). or technical problems (go do the homework to make it correct).

Club publications have their place. Your work is seen and appreciated by others with the same interests. General publications have their place too!

73

Date: Wed, 05 Dec 2001 17:17:01 -0500
From: Bruce Muscolino <w6toy@erols.com>
To: dmaliniak@penton.com

Cc: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Subject: [113985] Re: Construction Articles Dwindling
Message-ID: <3C0E9CDD.3215E2DA@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Bill was not so modest not to point that out, in fact he pointed it out to me twice! It was not the point of the argument. The point was that there are many reasons why construction articles are not getting the space they id in the 70's. CQ, for example, has not published a construction article since about 1992. Construction articles will still get published, if they are general enough in scope to be of interest to more than a few.

73

Date: Wed, 5 Dec 2001 22:26:55 +0000 (UTC)
From: Joe Reed <joe@n9jr.dyndns.org>
To: <n2go@arrl.net>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [113986] Re: one-touch-tune
Message-ID: <Pine.LNX.4.33.0112052220150.14685-1000000@n9jr.dyndns.org>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Jim,

The OTT places the 817 in packet mode and keys it. It plugs into the accessory socket and comes with a momentary switch that you use to place it into tune mode. Out of the box you would have to hold the OTT switch closed while the Z-11 tunes.

With the Z-11 compatibility kit you replace the firmware with version 1.4 and install a jack on the back of the Z11 and connect the attached wire to the tune LED. This way when you hit the tune button on the Z-11 it keys the OTT until the antenna is tuned.

I heartily recommend it. It really is sweet, and W4RT Electronics is very much a pleasure to do business with.

Joe N9JR

On Wed, 5 Dec 2001 n2go@arrl.net wrote:

> I was thinking that it might be something along the line of a ALC voltage

> that could be used to attenuate the signal. I did things a little
> backwards. I built a z-11 tuner. Then I bought a cw filter. Then I bought
> a FT817 :)
>
> Before I turned on the Yaesu, I put the cw filter in. Dave Fifields site
> was helpful in that regard.
>
> The website for the one touch tune(tm) makes mention of a microprocessor.
> I guess the rig has to be in a tune position. I will have to look for the
> manual. I haven't transmitted with the rig yet.
>
> I must have taken the manual out of the box and laid it down somewhere in
> my things/articles to read pile(s). I used the rig to receive some FM
> stations and WWV since I only could come up with a 5 foot piece of wire
> for an antenna. I was hoping to have an antenna up before the snow flies.
> I have a couple rigs that really need to be tested and used. That DSW-40
> is just calling out from the shelf :))
>
> There hasn't been any in the Buffalo area yet. That is peculiar. It is
> about 65F today. It would make a lot of sense to put up an antenna
> now.....
>
> 73,
>
> Jim n2go
>
>

Date: Wed, 5 Dec 2001 16:52:49 -0600
From: "Rob Matherly" <kc0bom@arrl.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [113987] Re: Construction Articles Dwindling
Message-ID: <019701c17ddf\$9294f860\$3711a541@intern01>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Maybe I'm confused here - what is the accepted definition of a construction article? CQ has been regularly publishing articles featuring 1 tube transmitters for about a year or so. About a year and a half ago, they had a two-part article featuring the construction of a 160 - 10 balanced line tuner in great detail. Not just a schematic and parts list, but details on how to make the cabinet, the type of knobs, the paint scheme, how the guy made the dials and loads of other great info.

72/73/oo

Rob, kc0bom

FP Qrp -330; Live-Wire #442; IA QRP #143; SOC #497; QRPP #19

Visit my website! <http://www.qsl.net/kc0bom/hamradio>

----- Original Message -----

From: Bruce Muscolino <w6toy@erols.com>

To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>

Sent: Wednesday, December 05, 2001 4:17 PM

Subject: Re: Construction Articles Dwindling

Bill was not so modest not to point that out, in fact he pointed it out to me twice! It was not the point of the argument. The point was that there are many reasons why construction articles are not getting the space they id in the 70's. CQ, for example, has not published a construction article since about 1992. Construction articles will still get published, if they are general enough in scope to be of interest to more than a few.

73

Date: Wed, 5 Dec 2001 18:05:28 -0500 (EST)

From: baltimoremd@baltimoremd.com

To: Bruce Muscolino <w6toy@erols.com>

Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>

Subject: [113988] Re: Write Something! Re: Construction Articles ...

Message-ID: <20011205180005.J94794-100000@unix1.vhost.min.net>

MIME-Version: 1.0

Content-Type: TEXT/PLAIN; charset=US-ASCII

On Wed, 5 Dec 2001, Bruce Muscolino wrote:

> Hmmm, in 1995 I had an article published in QST on an antenna. In 1996
> it was reprinted by the League in a handbook for new operators. I did
> receive 3 copies of QST and a check for the article; I had to buy my own
> copy of the book. I guess times change!

Bruce, as I recall, around that time the League had employed a Mr. Peabody, who also had a part time job with Rocky and Bullwinkle.

While Mr. P used the "way back machine" on the squirell and moose show, it is known that he also had a "way forward machine" under development.

Most likely Peabody used the "way forward machine" to review your sentiments about the League, and you were paid in today's money for tomorrow's attitude.

73

Thom

who has nothing connected to his hand

baltimoremd@baltimoremd.com
<http://www.baltimoremd.com/>
<http://www.baltimorehon.com/>
<http://www.zerobeat.net>

Thom LaCosta K3HRN Webmaster
Baltimore's Home Page
Home of the Baltimore Lexicon
Home of The QRP Web Ring
and Drake Mail List Pages

Date: Wed, 5 Dec 2001 18:11:49 -0500
From: W2AGN <w2agn@pobox.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [113989] Re: Write Something! Re: Construction Articles ...
Message-ID: <0112051811490X.12206@njbirdman>
Content-Type: text/plain;
 charset="iso-8859-1"
MIME-Version: 1.0
Content-Transfer-Encoding: 8bit

> On Wed, 5 Dec 2001, Bruce Muscolino wrote:
> > Hmmm, in 1995 I had an article published in QST on an antenna. In 1996
> > it was reprinted by the League in a handbook for new operators. I did
> > receive 3 copies of QST and a check for the article; I had to buy my own
> > copy of the book. I guess times change!

--

Yo! Ed, if you're still listening. Instead of sending that \$40 to the League in Bruce's name, better send it directly to him! He may be down to his last bottle of vitriol!

John L Sielke W2AGN
w2agn@pobox.com
<http://www.qsl.net/w2agn>

Date: Wed, 5 Dec 2001 16:16:34 -0700
From: William R Colbert <w5xe@juno.com>
To: qrp-1@lehigh.edu
Subject: [113990] Re: cheap vertical
Message-ID: <20011205.161635.-194417.0.w5xe@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

Regarding the copper vs emt conduit, I would think the galvanic action would cause a severe oxidation preventing any good solid electrical contact.

I used to use emt (thin wall) conduit for my 40 meter (33ft) verticals; starting with 1 1/4 inch, 1 inch, 3/4 and 1/2 and using the self drilling TEK screws to maintain good contact and strength. Used two sets as a phased array for a number of years, no rusting, no loss of contact and they were very inexpensive compared to the commercial verticals. Insulators were either Coke or Nehi bottles or the outside fibreglass shell from an old ComProducts 224-509 antenna. 10 to 12 radials from the shield point of the coax did quite well and I was able to use the system with good nulls and directivity on 40 thru 15, usable on 80 as an omni antenna because the spacing was too close as a directive antenna. The wife and I were able to raise each or lower with no problem, and actually one person could handle the vertical but with power lines nearby, 2 people are best.

So, if the price is right, I would say go for the conduit. It makes a pretty decent antenna.

73

Ray

"The more I see of the representatives of the people, the more I admire my dogs." letter from Count d'Orsay
Ray Colbert, W5XE, 00TC#3618, SOWP#1064M NARTE-NCT2R
FP# 111, SOC#78,ARCI 5784, El Paso,(FAR WEST)TEXAS

Date: Wed, 05 Dec 2001 22:46:08 +0000
From: Larry Cahoon <lejek@erols.com>
To: ae5x@qsl.net,
"Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>

Subject: [113991] Re: cheap vertical
Message-ID: <5.1.0.14.0.20011205224059.00bada98@pop.erols.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

I did something like this on 20 meters once on a trip to the outer banks of NC with tent poles. One observation was that with the tent poles with a 1 1/4 in diameter or so the whip I used for the final adjustment had a much smaller effect than I expected. That meant I needed a longer whip to get the SWR down than would seem right from the measurements. This effect actually shows up in the antenna models where you have to take into account in the dimensions the tapering of the element. In my case the size of the element decreased so quickly from the tent poles to the whip it was almost like I didn't even have the whip. Thus the need for a longer whip to adjust for the tapering effect.

73 de Larry.....WD3P in MD
<http://www.qsl.net/wd3p/>

At 04:12 PM 12/5/2001 -0500, John Harper AE5X wrote:
>I used three 10-foot sections from Radio Shack for a 40m vertical. I drilled
>holes into the part where sections overlapped and screwed sheet metal screws
>into the holes to ensure a good electrical connection between sections. Then
>I used a hose clamp to fasten a 4' whip to the top section to make up the
>rest of the length required to resonate the antenna on the CW portion of the
>band. The whole thing then sat on a glass Coke bottle and was guyed with
>nylon cord at the 20' level. It worked great with eight 1/4-wave radials.
>
>John Harper AE5X
>Outdoor QRP & Lowband DXing: <http://www.qsl.net/ae5x>

Date: Wed, 5 Dec 2001 17:30:41 -0600 (CST)
From: "Adrian Weiss" <aweiss@usd.edu>
To: qrp-l@lehigh.edu
Subject: [113992] RE: ScQRPion Stinger Singer Freq. Counter +10
Message-ID: <Pine.SOL.4.03.10112051723090.2893-100000@sunburst.usd.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi gang:

I get excited when I put a kit together and even more excited when it works as expected.

The ScQRPion Stinger Singer Freq. Counter is better than

I expected. I expected that the usual invasive surgery would be required to gain access to a rig's freq. generating innards etc. NOT SO!

The Stinger Singer responds to my 4w output into coax to the antenna. I just connected a small piece of coax with an RCA plug into the Singer, and a clip lead from the end of the coax draped over the coax to the antenna. The Singer reads the freq!! I ought to see "how low" it will go, but later!

This is really great since I take various rigs on portable junkets -- try different one/s each trip it seems. So, no problem. Take the Singer and whatever rig, and I'll exactly on freq with my xmitted signal.

I suspect that at low power levels, it'll be easy enough to rig up some means of getting enough signal into the Singer to get the reading.

Well done Bob and the gang!

72, Ade

Date: Wed, 5 Dec 2001 18:33:30 -0500
From: "TheRubins" <hrubin1970@home.com>
To: <qrp-1@lehigh.edu>
Cc: <n4rs@netpath-rc.net>
Subject: [113993] RE: Cheap Vertical
Message-ID: <NFBBIJLJMLJIHFGJNANDAEJACDAA.hrubin1970@home.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Tom,

What diameter aluminum pipe are you suggesting here? I guess a full vertical on 40 would be about 37.5 feet, but the diameter of the pipe might have a lot do with the resonant length. Also, the ground plane might be factor in the total efficiency of the system. How do you support your vertical antenna? Do use a capacity hat; if so, what size and construction?

We are in a suburban location here in SE PA, so no access to irrigation pipe. I think a few lengths of aluminum mast, welded together at the seams

would do as nicely.

Regards,
Howard Rubin, N3FEL

-----Original Message-----

From: owner-qrp-1@Lehigh.EDU [mailto:owner-qrp-1@Lehigh.EDU] On Behalf Of Tom Pennebaker
Sent: Wednesday, December 05, 2001 5:10 PM
To: Low Power Amateur Radio Discussion
Subject: Cheap Vertical

I have a full 5/8 vertical on 40 meters. It's about the same size in diameter as aluminum irrigation pipe. I understand this stuff can be had very reasonable. It develops pin holes from sand and eventually becomes useless as irrigation pipe. I'm sure there are farmers/ranchers that have this laying around and would be glad to get rid of it.....Tom N4RS

Date: Wed, 5 Dec 2001 18:41:27 -0500
From: "ss lyon" <sslyon@megalink.net>
To: "chat qrp" <qrp-1@lehigh.edu>
Subject: [113994] NO joy in mudville...
Message-ID: <00d801c17de6\$5be26bc0\$038798ce@megalink.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

What a terrible let down. I volunteered for a project in town and got back way to late (just now) to finish hookups to the "temp." 160 antennas, so gambled and concentrated on only the 260' kite antenna. Managed to get it up with help from a fellow volunteer and a neighbor. By the time we got things secured and tidy the wind began to die. The kite came down before I had a chance to try even one contact :(Over 800' of line plus antenna and kite are now languishing in the tops of deep Maine forest. Retrieval will be a real chore tomorrow.

I'll try to get on later with the flat top I've been using lately, but it will only be to provide some ME points rather than as the competitor I intended to be tonite. However, the next evening that wind is favorable, I'll be on to show off the antenna. i'm going for some serious libation.

73

AA1MY

Seabury & Sharon Lyon
99 Sparrowhawk Mtn Rd
Bethel, Me, 04217 U.S.A.
207-836-2576

Virus Protection by Norton and ZoneAlarm

Date: Wed, 5 Dec 2001 18:45:05 -0500
From: "Mike Czuhajewski" <wa8mcq@erols.com>
To: <qrp-1@lehigh.edu>
Cc: <wa8mcq@erols.com>
Subject: [113995] Re: Mini Circuits LRMS-1H?
Message-ID: <003a01c17de6\$de839540\$8934fea9@l8a3h1>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

The URL for MiniCircuits is

<http://www.minicircuits.com/>

They have a huge amount of material available on their product line,
including lots of app notes and tutorials. Good stuff!

73 and queue our pea DE WA8MCQ

Date: Wed, 5 Dec 2001 18:55:06 EST
From: ARDUJENSKI@aol.com
To: qrp-1@lehigh.edu
Subject: [113996] Cheap Vertical? How about a crappie one? (smile)
Message-ID: <dc.100a955e.29400dda@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

I think you would be pleasantly surprised at how well an inverted-L 20ft by 20ft will work using a 20ft crappie fishing pole as main support and about a dozen 16ft radials. The pole is about \$20 and can be used portable too. The 20 by 20 will work 80-10m and give you a combination of both high and low angle lobe patterns giving you both local and DX capability. Feed with balance line and you are in business.

Alan KB7MBI in Woodinville, WA
FISTS 5702 Proud member of ARRL

Date: Wed, 05 Dec 2001 18:55:50 -0500
From: Fred Lesnick <flesnick@tbaytel.net>
To: QRP Canada <qrp-canada@neale.gpfn.sk.ca>, QRPL <qrp-l@Lehigh.EDU>
Subject: [113997] Not QRP: Help with TS 820 Display
Message-ID: <3C0EB406.80416B01@tbaytel.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Gang:

Sorry to take up some band width.
But a friend of mine gave me his Kenwood TS 820 to do some work on it
for him (have had it apart before to do some cleaning).
The problem is that his digital display quit on him.
I have checked the wires, cleaned all connections, and even went as far
as changing the voltage regulator for the display, but NO JOY.
The manual that I have has no trouble shooting for the display, and a
shop manual as well does not tell me much.
Wonder if anyone else has seen this problem, or would have any ideas.
I just hope the display has not just burnt itself out, if so, how does
one check that ?
Thanks
Fred
VE3FAL

End of QRP-L Digest 2395

